Safety Data Sheet
Zero Rust 28-60SP Red (Aerosol)

SDS Revision Date: **05/03/2017**

1. Identification

1.1. Product identifier

Product Identity	Zero Rust 28-60SP Red (Aerosol)
Alternate Names	Zero Rust 28-60SP Red (Aerosol)

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use	See Product Label
Application Method	See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name	Amteco, Inc. 1100 Jefferson Street, PO Box 9 Pacific, MO 63069
Emergency	
24 hour Emergency Telephone No.	CHEMTREC (800) 424-9300
Customer Service: Amteco, Inc.	Phone (636) 271-1300, Fax (636) 271-2211

2. Hazard(s) identification

2.1. Classification of the substance or mixture

Flam. Aerosol 1;H222	Extremely flammable aerosol.
Press. Gas;H280	Contains gas under pressure; may explode if heated.
Skin Irrit. 3;H316	Causes mild skin irritation. (Not adopted by US OSHA)
Eye Irrit. 2;H319	Causes serious eye irritation.
STOT SE 3;H336	May cause drowsiness or dizziness.
Aquatic Chronic 3;H412	Harmful to aquatic life with long lasting effects.
Simple Asphyxiant	May displace oxygen and cause rapid suffocation.

2.2. Label elements

Danger

H222 Extremely flammable aerosol.
H280 Contains gas under pressure; may explode if heated.
H316 Causes mild skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness and dizziness.
H412 Harmful to aquatic life with long lasting effects.
May displace oxygen and cause rapid suffocation.
Pressurized container: May burst if heated.

[Prevention]:

P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Pressurized container: Do not pierce or burn, even after use.
P261 Avoid breathing dust / fume / gas / mist / vapors / spray.
P264 Wash thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves / eye protection / face protection.

[Response]:

P304+312 IF INHALED: Call a POISON CENTER or doctor / physician if you feel unwell.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P332+313 If skin irritation occurs: Get medical advice / attention.
P337+313 If eye irritation persists: Get medical advice / attention.

[Storage]:

P403+233 Store in a well ventilated place. Keep container tightly closed.
P405 Store locked up.
P410+412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C / 122 °F.

[Disposal]:

P501 Dispose of contents / container in accordance with local / national regulations.

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Acetone **CAS Number: 0000067-64-1**	**10 - 25**	**Flam. Liq. 2;H225** **Eye Irrit. 2;H319** **STOT SE 3;H336**	**[1][2]**
Propane **CAS Number: 0000074-98-6**	**10 - 25**	**Flam. Gas 1;H220** **Press. Gas;H280**	**[1][2]**

Butyl acetate **CAS Number: 0000123-86-4**	**10 - 25**	**Flam. Liq. 3;H226** **STOT SE 3;H336**	**[1][2]**
Butane **CAS Number: 0000106-97-8**	**5 - 10**	**Flam. Gas 1;H220** **Press. Gas;H280** **Simple Asphyxiant**	**[1][2]**
Methyl Propyl Ketone **CAS Number: 0000107-87-9**	**5 - 10**	**Flam. Liq. 2;H225** **Acute Tox. 4;H302** **Eye Irrit. 2;H319** **STOT SE 3;H335** **Skin Irrit. 2;H315**	**[1][2]**
Isobutane **CAS Number: 0000075-28-5**	**1 - 5**	**Flam. Gas 1;H220** **Press. Gas;H280**	**[1][2]**
1-Methoxy-2-propyl acetate **CAS Number: 0000108-65-6**	**1 - 5**	**Flam. Liq. 3;H226**	**[1]**
p-Chloro-a,a,a-trifluorotoluene **CAS Number: 0000098-56-6**	**1 - 5**	**Flam. Liq. 3;H226** **Skin Irrit. 2;H315** **Eye Irrit. 2;H319** **STOT SE 3;H335**	**[1]**

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.
[1] Substance classified with a health or environmental hazard.
[2] Substance with a workplace exposure limit.
[3] PBT-substance or vPvB-substance.
*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

General In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

Eyes Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

Skin Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

Ingestion DO NOT INDUCE VOMITING. Give nothing by mouth. Get immediate medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Overview EFFECTS OF OVEREXPOSURE: Overexposure may result in light-headedness, staggering gait, giddiness, and possible nausea. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. May cause eye and skin irritation. SIGNS AND SYMPTOMS OF OVEREXPOSURE: Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists. Redness and itching or burning sensation may indicate eye or excessive skin exposure. MEDICAL CONDITIONS AGRAVATED BY EXPOSURE: Pre-existing respiratory, skin, and eye disorders. See section 2 for further details.

Inhalation May cause drowsiness or dizziness.

Eyes Causes serious eye irritation.

Skin Causes mild skin irritation. (Not adopted by US OSHA)

5. Fire-fighting measures

5.1. Extinguishing media

Carbon Dioxide, Dry Chemical, Foam

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Carbon Monoxide and Carbon Dioxide

Keep away from heat / sparks / open flames / hot surfaces - No smoking.

Do not spray on an open flame or other ignition source.

Pressurized container: Do not pierce or burn, even after use.

Avoid breathing dust / fume / gas / mist / vapors / spray.

5.3. Advice for fire-fighters

Do not expose to temperatures over 120°F. Keep away from heat, sparks and flame. Containers may explode when exposed to extreme heat. Applications to hot surfaces require special precautions. During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

Water may be used to keep fire-exposed containers cool.
Fire fighters should wear full protective clothing, including self-contained breathing equipment.

ERG Guide No. 126

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Dispose of in accordance with applicable Federal, State & Local regulations. Remove ignition sources and work with non- sparking tools. Use oil absorbent materials.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

Avoid inhalation. Use good ventilation. Read entire label before using and follow all label directions.

7. Handling and storage

7.1. Precautions for safe handling

Handle containers carefully to prevent damage and spillage.

Keep out of reach of children. Keep away from heat sparks, and open flame. Vapors will accumulate readily and may ignite explosively. During use and until all vapors are gone: Keep area ventilated- Do Not Smoke- Extinguish all

flames, pilot lights, and heaters – Turn off stoves, electric tools and appliances, and any other source of ignition. Consult NFPA Code. Use approved Bonding and Grounding procedures. Contents under pressure. Do not puncture, incinerate, or expose to temperatures above 120°F. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Keep out of reach of children.

See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Incompatible materials: Oxidizing agents, strong acids.

Category NFPA 30B Level 2 Aerosol
Do not store where temperatures may exceed 120F (48.9C)

See section 2 for further details. - [Storage]:

7.3. Specific end use(s)

No data available.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0000067-64-1	Acetone	OSHA	TWA 1000 ppm (2400 mg/m3) STEL 2400 mg/m3
		ACGIH	TWA: 500 ppm STEL: 750 ppm
		NIOSH	250 ppm (590 mg/m3) TWA
		Supplier	No Established Limit
0000074-98-6	Propane	OSHA	TWA 1000 ppm (1800 mg/m3)
		ACGIH	Ensure Minimal Oxygen Content (ACGIH appendix F)
		NIOSH	TWA 1000 ppm (1800 mg/m3)
		Supplier	No Established Limit
0000075-28-5	Isobutane	OSHA	No Established Limit
		ACGIH	STEL: 1000ppm
		NIOSH	TWA 800 ppm (1900 mg/m3)
		Supplier	No Established Limit
0000098-56-6	p-Chloro-a,a,a-trifluorotoluene	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0000106-97-8	Butane	OSHA	No Established Limit
		ACGIH	TWA: 600 ppm STEL: 750 ppm
		NIOSH	TWA 800 ppm (1900 mg/m3)
		Supplier	No Established Limit
0000107-87-9	Methyl Propyl Ketone	OSHA	TWA 200 ppm (700 mg/m3)
		ACGIH	TWA: 150 ppm STEL: 250 ppm
		NIOSH	TWA 150 ppm (530 mg/m3)
		Supplier	No Established Limit

0000108-65-6	1-Methoxy-2-propyl acetate	OSHA	No Established Limit
		ACGIH	TWA: 50 ppm STEL: 75 ppm
		NIOSH	No Established Limit
		Supplier	No Established Limit
0000123-86-4	Butyl acetate	OSHA	TWA 150 ppm (710 mg/m3
		ACGIH	TWA: 20 ppm S
		NIOSH	TWA 150 ppm (710 mg/m3) ST 200 ppm (950 mg/m3)
		Supplier	No Established Limit

8.2. Exposure controls

Respiratory If personal exposure cannot be controlled to below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2. When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust that may be generated from this product, underlying paint, or the abrasive.

Eyes Wear safety glasses with side shields to protect the eyes. An eye wash station is suggested as a good workplace practice.

Skin Impervious clothes to protect skin. Wash promptly when skin becomes contaminated. None required for normal application of aerosol products where minimal skin contact is expected. For long or repeated contact wear chemical resistant gloves.

Engineering Controls Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

Other Work Practices Use only with adequate ventilation. Avoid contact with skin and eyes. Wash hands after using. This coating may contain materials classified as nuisance particulates (listed as “Dust” in Section 2) that may be present at hazardous levels only during sanding or abrading of the dried coating. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details.

9. Physical and chemical properties

Appearance	Red Liquid
Odor	Solvent
Odor threshold	Not determined
pH	Not Measured
Melting point / freezing point	Not Measured
Initial boiling point and boiling range	Not Measured
Flash Point	-156 °F (Propane)
Evaporation rate (Ether = 1)	Not Measured
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	**Lower Explosive Limit:** Not Measured

	Upper Explosive Limit: Not Measured
Vapor pressure (Pa)	Not Measured
Vapor Density	Not Measured
Specific Gravity	0.827
Solubility in Water	Insoluble
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	Not Measured
Decomposition temperature	Not Measured
Viscosity (cSt)	Not Measured
VOC Content	Not Measured
Maximum Incremental Reactivity	0.69

9.2. Other information

No other relevant information.

10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Do not expose to heat or store at temperature above 120°F

10.5. Incompatible materials

Oxidizing agents, strong acids.

10.6. Hazardous decomposition products

Carbon Monoxide and Carbon Dioxide

11. Toxicological information

Acute toxicity

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Acetone - (67-64-1)	5,800.00, Rat - Category: NA	7,426.00, Guinea Pig - Category: NA	76.00, Rat - Category: NA	50.10, Rat - Category: NA	No data available

Propane - (74-98-6)	No data available	No data available	658.00, Rat - Category: NA	No data available	No data available
Butyl acetate - (123-86-4)	10,700.00, Rat - Category: NA	17,600.00, Rabbit - Category: NA	No data available	No data available	No data available
Butane - (106-97-8)	No data available	No data available	658.00, Rat - Category: NA	No data available	No data available
Methyl Propyl Ketone - (107-87-9)	1,600.00, Rat - Category: 4	6,500.00, Rabbit - Category: NA	No data available	No data available	No data available
Isobutane - (75-28-5)	No data available	No data available	658.00, Rat - Category: NA	No data available	No data available
1-Methoxy-2-propyl acetate - (108-65-6)	8,532.00, Rat - Category: NA	5,000.00, Rabbit - Category: 5	No data available	No data available	No data available
p-Chloro-a,a,a-trifluorotoluene - (98-56-6)	13,000.00, Rat - Category: NA	No data available	33.00, Rat - Category: NA	No data available	No data available

Carcinogen Data

CAS No.	Ingredient	Source	Value
0000067-64-1	Acetone	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000074-98-6	Propane	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000075-28-5	Isobutane	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000098-56-6	p-Chloro-a,a,a-trifluorotoluene	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000106-97-8	Butane	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000107-87-9	Methyl Propyl Ketone	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000108-65-6	1-Methoxy-2-propyl acetate	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000123-86-4	Butyl acetate	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	3	Causes mild skin irritation. (Not adopted by US OSHA)
Serious eye damage/irritation	2	Causes serious eye irritation.
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	3	May cause drowsiness or dizziness.
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

12. Ecological information

12.1. Toxicity

Harmful to aquatic life with long lasting effects.

Toxic to aquatic life

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Acetone - (67-64-1)	100.00, Pimephales promelas	10.00, Daphnia magna	20.565 (72 hr), Ulva pertusa
Propane - (74-98-6)	Not Available	Not Available	Not Available
Butyl acetate - (123-86-4)	18.00, Pimephales promelas	32.00, Artemia salina	674.70 (72 hr), Scenedesmus subspicatus
Butane - (106-97-8)	6.00, Fish (Piscis)	Not Available	Not Available
Methyl Propyl Ketone - (107-87-9)	1,240.00, Pimephales promelas	Not Available	0.00 (96 hr),
Isobutane - (75-28-5)	Not Available	Not Available	Not Available
1-Methoxy-2-propyl acetate - (108-65-6)	100.00, Salmo gairdneri	500.00, Daphnia magna	Not Available
p-Chloro-a,a,a-trifluorotoluene - (98-56-6)	11.50, Lepomis macrochirus	3.68, Daphnia magna	Not Available

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

14. Transport information

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	UN1950	UN1950	UN1950
14.2. UN proper shipping name	Aerosols flammable,, Limited Quantity	Aerosols flammable,, Limited Quantity	Aerosols flammable,, Limited Quantity
14.3. Transport hazard class(es)	2.1	2.1	2.1
14.4. Packing group	Not Applicable	Not Applicable	Not Applicable

14.5. Environmental hazards

IMDG Marine Pollutant: No;

14.6. Special precautions for user

No further information

15. Regulatory information

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Toxic Substance Control Act (TSCA) All components of this material are either listed or exempt from listing on the TSCA Inventory.

WHMIS 1988 Classification A B5 D2B

US EPA Tier II Hazards

Fire: No

Sudden Release of Pressure: Yes

Reactive: No

Immediate (Acute): Yes

Delayed (Chronic): No

SDS Revision Date: **05/03/2017**

EPCRA 302 Extremely Hazardous:
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Carcinogens (>0.0%):

Methyl Isobutyl Ketone

Ethyl Benzene

Proposition 65 - Developmental Toxins (>0.0%):

Methyl Isobutyl Ketone

Proposition 65 - Female Repro Toxins (>0.0%):
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

16. Other information

SDS Revision Date 05/03/2017

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapor.

H226 Flammable liquid and vapor.

H280 Contains gas under pressure; may explode if heated.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H336 May cause drowsiness and dizziness.

IMPORTANT NOTE: This information is furnished without warranty, expressed or implied, as to accuracy or completeness. The information is obtained from various sources including the manufacturer and other third party sources. The information may not be valid under all conditions nor if this material is used in combination with other materials or any process. Final determination of suitability of any material is the sole responsibility of the user.

End of Document

Safety Data Sheet
Zero Rust 28-61SP Gray (Aerosol)

SDS Revision Date: **05/03/2017**

1. Identification

1.1. Product identifier

Product Identity	Zero Rust 28-61SP Gray (Aerosol)
Alternate Names	Zero Rust 28-61SP Gray (Aerosol)

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use	See Product Label
Application Method	See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name	Amteco, Inc. 1100 Jefferson Street, PO Box 9 Pacific, MO 63069
Emergency	
24 hour Emergency Telephone No.	CHEMTREC (800) 424-9300
Customer Service: Amteco, Inc.	Phone (636) 271-1300, Fax (636) 271-2211

2. Hazard(s) identification

2.1. Classification of the substance or mixture

Flam. Aerosol 1;H222	Extremely flammable aerosol.
Press. Gas;H280	Contains gas under pressure; may explode if heated.
Flam. Liq. 2;H225	Highly Flammable liquid and vapor.
Skin Irrit. 3;H316	Causes mild skin irritation. (Not adopted by US OSHA)
Eye Irrit. 2;H319	Causes serious eye irritation.
STOT SE 3;H336	May cause drowsiness or dizziness.
Aquatic Chronic 3;H412	Harmful to aquatic life with long lasting effects.
Simple Asphyxiant	May displace oxygen and cause rapid suffocation.

2.2. Label elements

Danger

H222 Extremely flammable aerosol.
H225 Highly flammable liquid and vapor.
H280 Contains gas under pressure; may explode if heated.
H316 Causes mild skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness and dizziness.
H412 Harmful to aquatic life with long lasting effects.
May displace oxygen and cause rapid suffocation.
Pressurized container: May burst if heated.

[Prevention]:

P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.
P211 Do not spray on an open flame or other ignition source.
P233 Keep container tightly closed.
P240 Ground / bond container and receiving equipment.
P241 Use explosion-proof electrical / ventilating / light / equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P251 Pressurized container: Do not pierce or burn, even after use.
P261 Avoid breathing dust / fume / gas / mist / vapors / spray.
P264 Wash thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves / eye protection / face protection.

[Response]:

P303+361+353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
P304+312 IF INHALED: Call a POISON CENTER or doctor / physician if you feel unwell.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P332+313 If skin irritation occurs: Get medical advice / attention.
P337+313 If eye irritation persists: Get medical advice / attention.
P370+378 In case of fire: Use extinguishing media listed in section 5 of SDS for extinction.

[Storage]:

P403+233 Store in a well ventilated place. Keep container tightly closed.
P405 Store locked up.
P410+412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C / 122 °F.

[Disposal]:

P501 Dispose of contents / container in accordance with local / national regulations.

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Acetone **CAS Number: 0000067-64-1**	**10 - 25**	**Flam. Liq. 2;H225** **Eye Irrit. 2;H319** **STOT SE 3;H336**	**[1][2]**
Propane **CAS Number: 0000074-98-6**	**10 - 25**	**Flam. Gas 1;H220** **Press. Gas;H280**	**[1][2]**
Butyl acetate **CAS Number: 0000123-86-4**	**5 - 10**	**Flam. Liq. 3;H226** **STOT SE 3;H336**	**[1][2]**
Butane **CAS Number: 0000106-97-8**	**5 - 10**	**Flam. Gas 1;H220** **Press. Gas;H280** **Simple Asphyxiant**	**[1][2]**
Methyl Propyl Ketone **CAS Number: 0000107-87-9**	**1 - 5**	**Flam. Liq. 2;H225** **Acute Tox. 4;H302** **Eye Irrit. 2;H319** **STOT SE 3;H335** **Skin Irrit. 2;H315**	**[1][2]**
Isobutane **CAS Number: 0000075-28-5**	**1 - 5**	**Flam. Gas 1;H220** **Press. Gas;H280**	**[1][2]**
1-Methoxy-2-propyl acetate **CAS Number: 0000108-65-6**	**1 - 5**	**Flam. Liq. 3;H226**	**[1]**
p-Chloro-a,a,a-trifluorotoluene **CAS Number: 0000098-56-6**	**1 - 5**	**Flam. Liq. 3;H226** **Skin Irrit. 2;H315** **Eye Irrit. 2;H319** **STOT SE 3;H335**	**[1]**

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.
[1] Substance classified with a health or environmental hazard.
[2] Substance with a workplace exposure limit.
[3] PBT-substance or vPvB-substance.
*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

General In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

Eyes Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

Skin Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

Ingestion DO NOT INDUCE VOMITING. Give nothing by mouth. Get immediate medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Overview	EFFECTS OF OVEREXPOSURE: Overexposure may result in light-headedness, staggering gait, giddiness, and possible nausea. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. May cause eye and skin irritation. SIGNS AND SYMPTOMS OF OVEREXPOSURE: Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists. Redness and itching or burning sensation may indicate eye or excessive skin exposure. MEDICAL CONDITIONS AGRAVATED BY EXPOSURE: Pre-existing respiratory, skin, and eye disorders. See section 2 for further details.
Inhalation	May cause drowsiness or dizziness.
Eyes	Causes serious eye irritation.
Skin	Causes mild skin irritation.

5. Fire-fighting measures

5.1. Extinguishing media

Carbon Dioxide, Dry Chemical, Foam

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Carbon Monoxide and Carbon Dioxide

Keep away from heat / sparks / open flames / hot surfaces - No smoking.

Do not spray on an open flame or other ignition source.

Keep container tightly closed.

Ground / bond container and receiving equipment.

Use explosion-proof electrical / ventilating / light / equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Pressurized container: Do not pierce or burn, even after use.

Avoid breathing dust / fume / gas / mist / vapors / spray.

5.3. Advice for fire-fighters

Do not expose to temperatures over 120°F. Keep away from heat, sparks and flame. Containers may explode when exposed to extreme heat. Applications to hot surfaces require special precautions. During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

Water may be used to keep fire-exposed containers cool.
Fire fighters should wear full protective clothing, including self-contained breathing equipment.

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6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Dispose of in accordance with applicable Federal, State & Local regulations. Remove ignition sources and work with non- sparking tools. Use oil absorbent materials.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

Avoid inhalation. Use good ventilation. Read entire label before using and follow all label directions.

7. Handling and storage

7.1. Precautions for safe handling

Handle containers carefully to prevent damage and spillage.

Keep out of reach of children. Keep away from heat sparks, and open flame. Vapors will accumulate readily and may ignite explosively. During use and until all vapors are gone: Keep area ventilated- Do Not Smoke- Extinguish all flames, pilot lights, and heaters – Turn off stoves, electric tools and appliances, and any other source of ignition. Consult NFPA Code. Use approved Bonding and Grounding procedures. Contents under pressure. Do not puncture, incinerate, or expose to temperatures above 120°F. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Keep out of reach of children.

See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Incompatible materials: Oxidizing agents, strong acids.

Category NFPA 30B Level 2 Aerosol
Do not store where temperatures may exceed 120F (48.9C)

See section 2 for further details. - [Storage]:

7.3. Specific end use(s)

No data available.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0000067-64-1	Acetone	OSHA	TWA 1000 ppm (2400 mg/m3) STEL 2400 mg/m3
		ACGIH	TWA: 500 ppm STEL: 750 ppm
		NIOSH	250 ppm (590 mg/m3) TWA
		Supplier	No Established Limit
0000074-98-6	Propane	OSHA	TWA 1000 ppm (1800 mg/m3)
		ACGIH	Ensure Minimal Oxygen Content (ACGIH appendix F)
		NIOSH	TWA 1000 ppm (1800 mg/m3)
		Supplier	No Established Limit

0000075-28-5	Isobutane	OSHA	No Established Limit
		ACGIH	STEL: 1000ppm
		NIOSH	TWA 800 ppm (1900 mg/m3)
		Supplier	No Established Limit
0000098-56-6	p-Chloro-a,a,a-trifluorotoluene	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0000106-97-8	Butane	OSHA	No Established Limit
		ACGIH	TWA: 600 ppm STEL: 750 ppm
		NIOSH	TWA 800 ppm (1900 mg/m3)
		Supplier	No Established Limit
0000107-87-9	Methyl Propyl Ketone	OSHA	TWA 200 ppm (700 mg/m3)
		ACGIH	TWA: 150 ppm STEL: 250 ppm
		NIOSH	TWA 150 ppm (530 mg/m3)
		Supplier	No Established Limit
0000108-65-6	1-Methoxy-2-propyl acetate	OSHA	No Established Limit
		ACGIH	TWA: 50 ppm STEL: 75 ppm
		NIOSH	No Established Limit
		Supplier	No Established Limit
0000123-86-4	Butyl acetate	OSHA	TWA 150 ppm (710 mg/m3
		ACGIH	TWA: 20 ppm S
		NIOSH	TWA 150 ppm (710 mg/m3) ST 200 ppm (950 mg/m3)
		Supplier	No Established Limit

8.2. Exposure controls

Respiratory If personal exposure cannot be controlled to below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2. When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust that may be generated from this product, underlying paint, or the abrasive.

Eyes Wear safety glasses with side shields to protect the eyes. An eye wash station is suggested as a good workplace practice.

Skin Impervious clothes to protect skin. Wash promptly when skin becomes contaminated. None required for normal application of aerosol products where minimal skin contact is expected. For long or repeated contact wear chemical resistant gloves.

Engineering Controls Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

Other Work Practices Use only with adequate ventilation. Avoid contact with skin and eyes. Wash hands after using. This coating may contain materials classified as nuisance particulates (listed as “Dust” in Section 2) that may be present at hazardous levels only during sanding or abrading of the dried coating. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details.

9. Physical and chemical properties

Appearance	Gray Liquid
Odor	Solvent
Odor threshold	Not determined
pH	Not Measured
Melting point / freezing point	Not Measured
Initial boiling point and boiling range	Not Measured
Flash Point	-156 °F (Propane)
Evaporation rate (Ether = 1)	Not Measured
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	**Lower Explosive Limit:** Not Measured **Upper Explosive Limit:** Not Measured
Vapor pressure (Pa)	Not Measured
Vapor Density	Not Measured
Specific Gravity	0.847
Solubility in Water	Insoluble
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	Not Measured
Decomposition temperature	Not Measured
Viscosity (cSt)	Not Measured
VOC Content	Not Measured
Maximum Incremental Reactivity	0.68

9.2. Other information

No other relevant information.

10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Do not expose to heat or store at temperature above 120°F

10.5. Incompatible materials

Oxidizing agents, strong acids.

10.6. Hazardous decomposition products

Carbon Monoxide and Carbon Dioxide

11. Toxicological information

Acute toxicity

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Acetone - (67-64-1)	5,800.00, Rat - Category: NA	7,426.00, Guinea Pig - Category: NA	76.00, Rat - Category: NA	50.10, Rat - Category: NA	No data available
Propane - (74-98-6)	No data available	No data available	658.00, Rat - Category: NA	No data available	No data available
Butyl acetate - (123-86-4)	10,700.00, Rat - Category: NA	17,600.00, Rabbit - Category: NA	No data available	No data available	No data available
Butane - (106-97-8)	No data available	No data available	658.00, Rat - Category: NA	No data available	No data available
Methyl Propyl Ketone - (107-87-9)	1,600.00, Rat - Category: 4	6,500.00, Rabbit - Category: NA	No data available	No data available	No data available
Isobutane - (75-28-5)	No data available	No data available	658.00, Rat - Category: NA	No data available	No data available
1-Methoxy-2-propyl acetate - (108-65-6)	8,532.00, Rat - Category: NA	5,000.00, Rabbit - Category: 5	No data available	No data available	No data available
p-Chloro-a,a,a-trifluorotoluene - (98-56-6)	13,000.00, Rat - Category: NA	No data available	33.00, Rat - Category: NA	No data available	No data available

Carcinogen Data

CAS No.	Ingredient	Source	Value
0000067-64-1	Acetone	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000074-98-6	Propane	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000075-28-5	Isobutane	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000098-56-6	p-Chloro-a,a,a-trifluorotoluene	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

0000106-97-8	Butane	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000107-87-9	Methyl Propyl Ketone	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000108-65-6	1-Methoxy-2-propyl acetate	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000123-86-4	Butyl acetate	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	3	Causes mild skin irritation. (Not adopted by US OSHA)
Serious eye damage/irritation	2	Causes serious eye irritation.
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	3	May cause drowsiness or dizziness.
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

12. Ecological information

12.1. Toxicity

Harmful to aquatic life with long lasting effects.

Toxic to aquatic life

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Acetone - (67-64-1)	100.00, Pimephales promelas	10.00, Daphnia magna	20.565 (72 hr), Ulva pertusa

Propane - (74-98-6)	Not Available	Not Available	Not Available
Butyl acetate - (123-86-4)	18.00, Pimephales promelas	32.00, Artemia salina	674.70 (72 hr), Scenedesmus subspicatus
Butane - (106-97-8)	6.00, Fish (Piscis)	Not Available	Not Available
Methyl Propyl Ketone - (107-87-9)	1,240.00, Pimephales promelas	Not Available	0.00 (96 hr),
Isobutane - (75-28-5)	Not Available	Not Available	Not Available
1-Methoxy-2-propyl acetate - (108-65-6)	100.00, Salmo gairdneri	500.00, Daphnia magna	Not Available
p-Chloro-a,a,a-trifluorotoluene - (98-56-6)	11.50, Lepomis macrochirus	3.68, Daphnia magna	Not Available

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

14. Transport information

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	UN1950	UN1950	UN1950
14.2. UN proper shipping name	Aerosols flammable,, Limited Quantity	Aerosols flammable,, Limited Quantity	Aerosols flammable,, Limited Quantity
14.3. Transport hazard class(es)	2.1	2.1	2.1
14.4. Packing group	Not Applicable	Not Applicable	Not Applicable

14.5. Environmental hazards

IMDG Marine Pollutant: No;

14.6. Special precautions for user

No further information

15. Regulatory information

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Toxic Substance Control Act (TSCA) All components of this material are either listed or exempt from listing on the TSCA Inventory.

WHMIS 1988 Classification A B5 D2B

US EPA Tier II Hazards

Fire: Yes
Sudden Release of Pressure: Yes
Reactive: No
Immediate (Acute): Yes
Delayed (Chronic): No

EPCRA 302 Extremely Hazardous:
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Carcinogens (>0.0%):

Ethyl Benzene

Proposition 65 - Developmental Toxins (>0.0%):
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

16. Other information

SDS Revision Date 05/03/2017

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapor.

H226 Flammable liquid and vapor.

H280 Contains gas under pressure; may explode if heated.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H336 May cause drowsiness and dizziness.

IMPORTANT NOTE: This information is furnished without warranty, expressed or implied, as to accuracy or completeness. The information is obtained from various sources including the manufacturer and other third party sources. The information may not be valid under all conditions nor if this material is used in combination with other materials or any process. Final determination of suitability of any material is the sole responsibility of the user.

End of Document

Safety Data Sheet
Zero Rust 28-62SP Black (Aerosol)

SDS Revision Date: **04/03/2017**

1. Identification

1.1. Product identifier

Product Identity Zero Rust 28-62SP Black (Aerosol)

Alternate Names

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use See Product Label

Application Method See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name Amteco, Inc.
1100 Jefferson Street, PO Box 9
Pacific, MO 63069

Emergency

24 hour Emergency Telephone No. CHEMTREC (800) 424-9300

Customer Service Phone (636) 271-1300, Fax (636) 271-2211

2. Hazard(s) identification

2.1. Classification of the substance or mixture

Flam. Aerosol 1;H222	Extremely flammable aerosol.
Press. Gas;H280	Contains gas under pressure; may explode if heated.
Skin Irrit. 3;H316	Causes mild skin irritation. (Not adopted by US OSHA)
Eye Irrit. 2;H319	Causes serious eye irritation.
STOT SE 3;H336	May cause drowsiness or dizziness.
Aquatic Chronic 3;H412	Harmful to aquatic life with long lasting effects.
Simple Asphyxiant	May displace oxygen and cause rapid suffocation.

2.2. Label elements

Danger

H222 Extremely flammable aerosol.
H280 Contains gas under pressure; may explode if heated.
H316 Causes mild skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness and dizziness.
H412 Harmful to aquatic life with long lasting effects.
May displace oxygen and cause rapid suffocation.
Pressurized container: May burst if heated.

[Prevention]:
P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Pressurized container: Do not pierce or burn, even after use.
P261 Avoid breathing dust / fume / gas / mist / vapors / spray.
P264 Wash thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves / eye protection / face protection.
[Response]:
P304+312 IF INHALED: Call a POISON CENTER or doctor / physician if you feel unwell.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P332+313 If skin irritation occurs: Get medical advice / attention.
P337+313 If eye irritation persists: Get medical advice / attention.
[Storage]:
P403+233 Store in a well ventilated place. Keep container tightly closed.
P405 Store locked up.
P410+412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C / 122 °F.
[Disposal]:
P501 Dispose of contents / container in accordance with local / national regulations.

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Acetone **CAS Number: 0000067-64-1**	**10 - 25**	**Flam. Liq. 2;H225** **Eye Irrit. 2;H319** **STOT SE 3;H336**	**[1][2]**
Propane **CAS Number: 0000074-98-6**	**10 - 25**	**Flam. Gas 1;H220** **Press. Gas;H280**	**[1][2]**
Butyl acetate **CAS Number: 0000123-86-4**	**10 - 25**	**Flam. Liq. 3;H226** **STOT SE 3;H336**	**[1][2]**
Butane **CAS Number: 0000106-97-8**	**5 - 10**	**Flam. Gas 1;H220** **Press. Gas;H280** **Simple Asphyxiant**	**[1][2]**
Methyl Propyl Ketone **CAS Number: 0000107-87-9**	**1 - 5**	**Flam. Liq. 2;H225** **Acute Tox. 4;H302** **Eye Irrit. 2;H319** **STOT SE 3;H335** **Skin Irrit. 2;H315**	**[1][2]**
Isobutane **CAS Number: 0000075-28-5**	**1 - 5**	**Flam. Gas 1;H220** **Press. Gas;H280**	**[1][2]**
1-Methoxy-2-propyl acetate **CAS Number: 0000108-65-6**	**1 - 5**	**Flam. Liq. 3;H226**	**[1]**
p-Chloro-a,a,a-trifluorotoluene **CAS Number: 0000098-56-6**	**1 - 5**	**Flam. Liq. 3;H226** **Skin Irrit. 2;H315** **Eye Irrit. 2;H319** **STOT SE 3;H335**	**[1]**

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.
[1] Substance classified with a health or environmental hazard.
[2] Substance with a workplace exposure limit.
[3] PBT-substance or vPvB-substance.
*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

General In all cases of doubt, or when symptoms persist, seek medical attention.
Never give anything by mouth to an unconscious person.

Inhalation Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

Eyes	Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
Skin	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
Ingestion	DO NOT INDUCE VOMITING. Give nothing by mouth. Get immediate medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Overview	EFFECTS OF OVEREXPOSURE: Overexposure may result in light-headedness, staggering gait, giddiness, and possible nausea. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. May cause eye and skin irritation. SIGNS AND SYMPTOMS OF OVEREXPOSURE: Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists. Redness and itching or burning sensation may indicate eye or excessive skin exposure. MEDICAL CONDITIONS AGRAVATED BY EXPOSURE: Pre-existing respiratory, skin, and eye disorders. See section 2 for further details.
Inhalation	May cause drowsiness or dizziness.
Eyes	Causes serious eye irritation.
Skin	Causes mild skin irritation.

5. Fire-fighting measures

5.1. Extinguishing media

Carbon Dioxide, Dry Chemical, Foam

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Carbon Monoxide and Carbon Dioxide

Keep away from heat / sparks / open flames / hot surfaces - No smoking.

Do not spray on an open flame or other ignition source.

Pressurized container: Do not pierce or burn, even after use.

Avoid breathing dust / fume / gas / mist / vapors / spray.

5.3. Advice for fire-fighters

Do not expose to temperatures over 120°F. Keep away from heat, sparks and flame. Containers may explode when exposed to extreme heat. Applications to hot surfaces require special precautions. During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

Water may be used to keep fire-exposed containers cool.
Fire fighters should wear full protective clothing, including self-contained breathing equipment.

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6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Dispose of in accordance with applicable Federal, State & Local regulations. Remove ignition sources and work with non- sparking tools. Use oil absorbent materials.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

Avoid inhalation. Use good ventilation. Read entire label before using and follow all label directions.

7. Handling and storage

7.1. Precautions for safe handling

Handle containers carefully to prevent damage and spillage.

Keep out of reach of children. Keep away from heat sparks, and open flame. Vapors will accumulate readily and may ignite explosively. During use and until all vapors are gone: Keep area ventilated- Do Not Smoke- Extinguish all flames, pilot lights, and heaters – Turn off stoves, electric tools and appliances, and any other source of ignition. Consult NFPA Code. Use approved Bonding and Grounding procedures. Contents under pressure. Do not puncture, incinerate, or expose to temperatures above 120°F. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Keep out of reach of children.

See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Incompatible materials: Oxidizing agents, strong acids.

Category NFPA 30B Level 2 Aerosol
Do not store where temperatures may exceed 120F (48.9C)

See section 2 for further details. - [Storage]:

7.3. Specific end use(s)

No data available.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0000067-64-1	Acetone	OSHA	TWA 1000 ppm (2400 mg/m3) STEL 2400 mg/m3
		ACGIH	TWA: 500 ppm STEL: 750 ppm
		NIOSH	250 ppm (590 mg/m3) TWA
		Supplier	No Established Limit
0000074-98-6	Propane	OSHA	TWA 1000 ppm (1800 mg/m3)
		ACGIH	Ensure Minimal Oxygen Content (ACGIH appendix F)
		NIOSH	TWA 1000 ppm (1800 mg/m3)
		Supplier	No Established Limit
0000075-28-5	Isobutane	OSHA	No Established Limit
		ACGIH	STEL: 1000ppm
		NIOSH	TWA 800 ppm (1900 mg/m3)
		Supplier	No Established Limit
0000098-56-6	p-Chloro-a,a,a-trifluorotoluene	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0000106-97-8	Butane	OSHA	No Established Limit
		ACGIH	TWA: 600 ppm STEL: 750 ppm
		NIOSH	TWA 800 ppm (1900 mg/m3)
		Supplier	No Established Limit
0000107-87-9	Methyl Propyl Ketone	OSHA	TWA 200 ppm (700 mg/m3)
		ACGIH	TWA: 150 ppm STEL: 250 ppm
		NIOSH	TWA 150 ppm (530 mg/m3)
		Supplier	No Established Limit
0000108-65-6	1-Methoxy-2-propyl acetate	OSHA	No Established Limit
		ACGIH	TWA: 50 ppm STEL: 75 ppm
		NIOSH	No Established Limit
		Supplier	No Established Limit
0000123-86-4	Butyl acetate	OSHA	TWA 150 ppm (710 mg/m3
		ACGIH	TWA: 20 ppm S
		NIOSH	TWA 150 ppm (710 mg/m3) ST 200 ppm (950 mg/m3)
		Supplier	No Established Limit

8.2. Exposure controls

Respiratory	If personal exposure cannot be controlled to below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2. When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust that may be generated from this product, underlying paint, or the abrasive.
Eyes	Wear safety glasses with side shields to protect the eyes. An eye wash station is suggested as a good workplace practice.
Skin	Impervious clothes to protect skin. Wash promptly when skin becomes contaminated. None required for normal application of aerosol products where minimal skin contact is expected. For long or repeated contact wear chemical resistant gloves.
Engineering Controls	Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.
Other Work Practices	Use only with adequate ventilation. Avoid contact with skin and eyes. Wash hands after using. This coating may contain materials classified as nuisance particulates (listed as “Dust” in Section 2) that may be present at hazardous levels only during sanding or abrading of the dried coating. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details.

9. Physical and chemical properties

Appearance	Black Liquid/Gas
Odor	Solvent/Paint
Odor threshold	Not determined
pH	Not Measured
Melting point / freezing point	Not Measured
Initial boiling point and boiling range	Not Measured
Flash Point	-156 °F (Propane)
Evaporation rate (Ether = 1)	Not Measured
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	**Lower Explosive Limit:** Not Measured **Upper Explosive Limit:** Not Measured
Vapor pressure (Pa)	Not Measured
Vapor Density	Not Measured

Specific Gravity	0.843
Solubility in Water	Insoluble
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	Not Measured
Decomposition temperature	Not Measured
Viscosity (cSt)	Not Measured
Maximum Incremental Reactivity	0.66

9.2. Other information

No other relevant information.

10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Do not expose to heat or store at temperature above 120°F

10.5. Incompatible materials

Oxidizing agents, strong acids.

10.6. Hazardous decomposition products

Carbon Monoxide and Carbon Dioxide

11. Toxicological information

Acute toxicity

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Acetone - (67-64-1)	5,800.00, Rat - Category: NA	7,426.00, Guinea Pig - Category: NA	76.00, Rat - Category: NA	50.10, Rat - Category: NA	No data available

Propane - (74-98-6)	No data available	No data available	658.00, Rat - Category: NA	No data available	No data available
Butyl acetate - (123-86-4)	10,700.00, Rat - Category: NA	17,600.00, Rabbit - Category: NA	No data available	No data available	No data available
Butane - (106-97-8)	No data available	No data available	658.00, Rat - Category: NA	No data available	No data available
Methyl Propyl Ketone - (107-87-9)	1,600.00, Rat - Category: 4	6,500.00, Rabbit - Category: NA	No data available	No data available	No data available
Isobutane - (75-28-5)	No data available	No data available	658.00, Rat - Category: NA	No data available	No data available
1-Methoxy-2-propyl acetate - (108-65-6)	8,532.00, Rat - Category: NA	5,000.00, Rabbit - Category: 5	No data available	No data available	No data available
p-Chloro-a,a,a-trifluorotoluene - (98-56-6)	13,000.00, Rat - Category: NA	No data available	33.00, Rat - Category: NA	No data available	No data available

Carcinogen Data

CAS No.	Ingredient	Source	Value
0000067-64-1	Acetone	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000074-98-6	Propane	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000075-28-5	Isobutane	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000098-56-6	p-Chloro-a,a,a-trifluorotoluene	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000106-97-8	Butane	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000107-87-9	Methyl Propyl Ketone	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000108-65-6	1-Methoxy-2-propyl acetate	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000123-86-4	Butyl acetate	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	3	Causes mild skin irritation. (Not adopted by US OSHA)
Serious eye damage/irritation	2	Causes serious eye irritation.
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	3	May cause drowsiness or dizziness.
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

12. Ecological information

12.1. Toxicity

Harmful to aquatic life with long lasting effects.

Toxic to aquatic life

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Acetone - (67-64-1)	100.00, Pimephales promelas	10.00, Daphnia magna	20.565 (72 hr), Ulva pertusa
Propane - (74-98-6)	Not Available	Not Available	Not Available
Butyl acetate - (123-86-4)	18.00, Pimephales promelas	32.00, Artemia salina	674.70 (72 hr), Scenedesmus subspicatus
Butane - (106-97-8)	6.00, Fish (Piscis)	Not Available	Not Available
Methyl Propyl Ketone - (107-87-9)	1,240.00, Pimephales promelas	Not Available	0.00 (96 hr),
Isobutane - (75-28-5)	Not Available	Not Available	Not Available
1-Methoxy-2-propyl acetate - (108-65-6)	100.00, Salmo gairdneri	500.00, Daphnia magna	Not Available
p-Chloro-a,a,a-trifluorotoluene - (98-56-6)	11.50, Lepomis macrochirus	3.68, Daphnia magna	Not Available

12.2. Persistence and degradability
There is no data available on the preparation itself.

12.3. Bioaccumulative potential
Not Measured
12.4. Mobility in soil
No data available.
12.5. Results of PBT and vPvB assessment
This product contains no PBT/vPvB chemicals.
12.6. Other adverse effects
No data available.

13. Disposal considerations

13.1. Waste treatment methods
Observe all federal, state and local regulations when disposing of this substance.

14. Transport information

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	UN1950	UN1950	UN1950
14.2. UN proper shipping name	Aerosols, flammable Limited Quantity	Aerosols, flammable Limited Quantity	Aerosols, flammable, Limited Quantity
14.3. Transport hazard class(es)	2.1	2.1	2.1
14.4. Packing group	Not Applicable	Not Applicable	Not Applicable

14.5. Environmental hazards

IMDG Marine Pollutant: No;

14.6. Special precautions for user

No further information

15. Regulatory information

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Toxic Substance Control Act (TSCA)	All components of this material are either listed or exempt from listing on the TSCA Inventory.
WHMIS Classification	A B5 D2B

US EPA Tier II Hazards

Fire: No
Sudden Release of Pressure: Yes
Reactive: No
Immediate (Acute): Yes
Delayed (Chronic): No

EPCRA 302 Extremely Hazardous:
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Carcinogens (>0.0%):

Ethyl Benzene

Proposition 65 - Developmental Toxins (>0.0%):
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapor.

H226 Flammable liquid and vapor.

H280 Contains gas under pressure; may explode if heated.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H336 May cause drowsiness and dizziness.

IMPORTANT NOTE: This information is furnished without warranty, expressed or implied, as to accuracy or completeness. The information is obtained from various sources including the manufacturer and other third party sources. The information may not be valid under all conditions nor if this material is used in combination with other materials or any process. Final determination of suitability of any material is the sole responsibility of the user.

End of Document

Safety Data Sheet
Zero Rust 28-67SP White (Aerosol)

SDS Revision Date: **05/03/2017**

1. Identification

1.1. Product identifier

Product Identity	Zero Rust 28-67SP White (Aerosol)
Alternate Names	Zero Rust 28-67SP White (Aerosol)

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use	See Product Label
Application Method	See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name	Amteco, Inc. 1100 Jefferson Street, PO Box 9 Pacific, MO 63069
Emergency	
24 hour Emergency Telephone No.	CHEMTREC (800) 424-9300
Customer Service: Amteco, Inc.	Phone (636) 271-1300, Fax (636) 271-2211

2. Hazard(s) identification

2.1. Classification of the substance or mixture

Flam. Aerosol 1;H222	Extremely flammable aerosol.
Press. Gas;H280	Contains gas under pressure; may explode if heated.
Flam. Liq. 2;H225	Highly Flammable liquid and vapor.
Skin Irrit. 3;H316	Causes mild skin irritation. (Not adopted by US OSHA)
Eye Irrit. 2;H319	Causes serious eye irritation.
STOT SE 3;H336	May cause drowsiness or dizziness.
Aquatic Chronic 3;H412	Harmful to aquatic life with long lasting effects.
Simple Asphyxiant	May displace oxygen and cause rapid suffocation.

2.2. Label elements

Danger

H222 Extremely flammable aerosol.
H225 Highly flammable liquid and vapor.
H280 Contains gas under pressure; may explode if heated.
H316 Causes mild skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness and dizziness.
H412 Harmful to aquatic life with long lasting effects.
May displace oxygen and cause rapid suffocation.
Pressurized container: May burst if heated.

[Prevention]:

P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.
P211 Do not spray on an open flame or other ignition source.
P233 Keep container tightly closed.
P240 Ground / bond container and receiving equipment.
P241 Use explosion-proof electrical / ventilating / light / equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P251 Pressurized container: Do not pierce or burn, even after use.
P261 Avoid breathing dust / fume / gas / mist / vapors / spray.
P264 Wash thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves / eye protection / face protection.

[Response]:

P303+361+353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
P304+312 IF INHALED: Call a POISON CENTER or doctor / physician if you feel unwell.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P332+313 If skin irritation occurs: Get medical advice / attention.
P337+313 If eye irritation persists: Get medical advice / attention.
P370+378 In case of fire: Use extinguishing media listed in section 5 of SDS for extinction.

[Storage]:

P403+233 Store in a well ventilated place. Keep container tightly closed.
P405 Store locked up.
P410+412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C / 122 °F.

[Disposal]:

P501 Dispose of contents / container in accordance with local / national regulations.

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Acetone **CAS Number: 0000067-64-1**	**10 - 25**	**Flam. Liq. 2;H225** **Eye Irrit. 2;H319** **STOT SE 3;H336**	**[1][2]**
Propane **CAS Number: 0000074-98-6**	**10 - 25**	**Flam. Gas 1;H220** **Press. Gas;H280**	**[1][2]**
Butyl acetate **CAS Number: 0000123-86-4**	**5 - 10**	**Flam. Liq. 3;H226** **STOT SE 3;H336**	**[1][2]**
Butane **CAS Number: 0000106-97-8**	**5 - 10**	**Flam. Gas 1;H220** **Press. Gas;H280** **Simple Asphyxiant**	**[1][2]**
Isobutane **CAS Number: 0000075-28-5**	**1 - 5**	**Flam. Gas 1;H220** **Press. Gas;H280**	**[1][2]**
Methyl Propyl Ketone **CAS Number: 0000107-87-9**	**1 - 5**	**Flam. Liq. 2;H225** **Acute Tox. 4;H302** **Eye Irrit. 2;H319** **STOT SE 3;H335** **Skin Irrit. 2;H315**	**[1][2]**
1-Methoxy-2-propyl acetate **CAS Number: 0000108-65-6**	**1 - 5**	**Flam. Liq. 3;H226**	**[1]**

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.
[1] Substance classified with a health or environmental hazard.
[2] Substance with a workplace exposure limit.
[3] PBT-substance or vPvB-substance.
*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

General In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

Eyes Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

Skin Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

Ingestion DO NOT INDUCE VOMITING. Give nothing by mouth. Get immediate medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Overview	EFFECTS OF OVEREXPOSURE: Overexposure may result in light-headedness, staggering gait, giddiness, and possible nausea. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. May cause eye and skin irritation. SIGNS AND SYMPTOMS OF OVEREXPOSURE: Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists. Redness and itching or burning sensation may indicate eye or excessive skin exposure. MEDICAL CONDITIONS AGRAVATED BY EXPOSURE: Pre-existing respiratory, skin, and eye disorders. See section 2 for further details.
Inhalation	May cause drowsiness or dizziness.
Eyes	Causes serious eye irritation.
Skin	Causes mild skin irritation. (Not adopted by US OSHA)

5. Fire-fighting measures

5.1. Extinguishing media

Carbon Dioxide, Dry Chemical, Foam

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Carbon Monoxide and Carbon Dioxide

Keep away from heat / sparks / open flames / hot surfaces - No smoking.

Do not spray on an open flame or other ignition source.

Keep container tightly closed.

Ground / bond container and receiving equipment.

Use explosion-proof electrical / ventilating / light / equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Pressurized container: Do not pierce or burn, even after use.

Avoid breathing dust / fume / gas / mist / vapors / spray.

5.3. Advice for fire-fighters

Do not expose to temperatures over 120°F. Keep away from heat, sparks and flame. Containers may explode when exposed to extreme heat. Applications to hot surfaces require special precautions. During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

Water may be used to keep fire-exposed containers cool.
Fire fighters should wear full protective clothing, including self-contained breathing equipment.

ERG Guide No. 126

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Dispose of in accordance with applicable Federal, State & Local regulations. Remove ignition sources and work with non- sparking tools. Use oil absorbent materials.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

Avoid inhalation. Use good ventilation. Read entire label before using and follow all label directions.

7. Handling and storage

7.1. Precautions for safe handling

Handle containers carefully to prevent damage and spillage.

Keep out of reach of children. Keep away from heat sparks, and open flame. Vapors will accumulate readily and may ignite explosively. During use and until all vapors are gone: Keep area ventilated- Do Not Smoke- Extinguish all flames, pilot lights, and heaters – Turn off stoves, electric tools and appliances, and any other source of ignition. Consult NFPA Code. Use approved Bonding and Grounding procedures. Contents under pressure. Do not puncture, incinerate, or expose to temperatures above 120°F. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Keep out of reach of children.

See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Incompatible materials: Oxidizing agents, strong acids.

Category NFPA 30B Level 2 Aerosol
Do not store where temperatures may exceed 120F (48.9C)

See section 2 for further details. - [Storage]:

7.3. Specific end use(s)

No data available.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0000067-64-1	Acetone	OSHA	TWA 1000 ppm (2400 mg/m3) STEL 2400 mg/m3
		ACGIH	TWA: 500 ppm STEL: 750 ppm
		NIOSH	250 ppm (590 mg/m3) TWA
		Supplier	No Established Limit
0000074-98-6	Propane	OSHA	TWA 1000 ppm (1800 mg/m3)
		ACGIH	Ensure Minimal Oxygen Content (ACGIH appendix F)
		NIOSH	TWA 1000 ppm (1800 mg/m3)
		Supplier	No Established Limit

0000075-28-5	Isobutane	OSHA	No Established Limit
		ACGIH	STEL: 1000ppm
		NIOSH	TWA 800 ppm (1900 mg/m3)
		Supplier	No Established Limit
0000106-97-8	Butane	OSHA	No Established Limit
		ACGIH	TWA: 600 ppm STEL: 750 ppm
		NIOSH	TWA 800 ppm (1900 mg/m3)
		Supplier	No Established Limit
0000107-87-9	Methyl Propyl Ketone	OSHA	TWA 200 ppm (700 mg/m3)
		ACGIH	TWA: 150 ppm STEL: 250 ppm
		NIOSH	TWA 150 ppm (530 mg/m3)
		Supplier	No Established Limit
0000108-65-6	1-Methoxy-2-propyl acetate	OSHA	No Established Limit
		ACGIH	TWA: 50 ppm STEL: 75 ppm
		NIOSH	No Established Limit
		Supplier	No Established Limit
0000123-86-4	Butyl acetate	OSHA	TWA 150 ppm (710 mg/m3
		ACGIH	TWA: 20 ppm S
		NIOSH	TWA 150 ppm (710 mg/m3) ST 200 ppm (950 mg/m3)
		Supplier	No Established Limit

8.2. Exposure controls

Respiratory If personal exposure cannot be controlled to below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2. When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust that may be generated from this product, underlying paint, or the abrasive.

Eyes Wear safety glasses with side shields to protect the eyes. An eye wash station is suggested as a good workplace practice.

Skin Impervious clothes to protect skin. Wash promptly when skin becomes contaminated. None required for normal application of aerosol products where minimal skin contact is expected. For long or repeated contact wear chemical resistant gloves.

Engineering Controls Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

Other Work Practices Use only with adequate ventilation. Avoid contact with skin and eyes. Wash hands after using. This coating may contain materials classified as nuisance particulates (listed as “Dust” in Section 2) that may be present at hazardous levels only during sanding or abrading of the dried coating. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details.

9. Physical and chemical properties

Appearance	White Liquid
Odor	Solvent
Odor threshold	Not determined
pH	Not Measured
Melting point / freezing point	Not Measured
Initial boiling point and boiling range	Not Measured
Flash Point	-156 °F (Propane)
Evaporation rate (Ether = 1)	Not Measured
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	**Lower Explosive Limit:** Not Measured **Upper Explosive Limit:** Not Measured
Vapor pressure (Pa)	Not Measured
Vapor Density	Not Measured
Specific Gravity	0.847
Solubility in Water	Insoluble
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	Not Measured
Decomposition temperature	Not Measured
Viscosity (cSt)	Not Measured
VOC Content	Not Measured
Maximum Incremental Reactivity	0.67

9.2. Other information

No other relevant information.

10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Do not expose to heat or store at temperature above 120°F

10.5. Incompatible materials

Oxidizing agents, strong acids.

10.6. Hazardous decomposition products

Carbon Monoxide and Carbon Dioxide

11. Toxicological information

Acute toxicity

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Acetone - (67-64-1)	5,800.00, Rat - Category: NA	7,426.00, Guinea Pig - Category: NA	76.00, Rat - Category: NA	50.10, Rat - Category: NA	No data available
Propane - (74-98-6)	No data available	No data available	658.00, Rat - Category: NA	No data available	No data available
Butyl acetate - (123-86-4)	10,700.00, Rat - Category: NA	17,600.00, Rabbit - Category: NA	No data available	No data available	No data available
Butane - (106-97-8)	No data available	No data available	658.00, Rat - Category: NA	No data available	No data available
Isobutane - (75-28-5)	No data available	No data available	658.00, Rat - Category: NA	No data available	No data available
Methyl Propyl Ketone - (107-87-9)	1,600.00, Rat - Category: 4	6,500.00, Rabbit - Category: NA	No data available	No data available	No data available
1-Methoxy-2-propyl acetate - (108-65-6)	8,532.00, Rat - Category: NA	5,000.00, Rabbit - Category: 5	No data available	No data available	No data available

Carcinogen Data

CAS No.	Ingredient	Source	Value
0000067-64-1	Acetone	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000074-98-6	Propane	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000075-28-5	Isobutane	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000106-97-8	Butane	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000107-87-9	Methyl Propyl Ketone	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

0000108-65-6	1-Methoxy-2-propyl acetate	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000123-86-4	Butyl acetate	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	3	Causes mild skin irritation. (Not adopted by US OSHA)
Serious eye damage/irritation	2	Causes serious eye irritation.
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	3	May cause drowsiness or dizziness.
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

12. Ecological information

12.1. Toxicity

Harmful to aquatic life with long lasting effects.

Toxic to aquatic life

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Acetone - (67-64-1)	100.00, Pimephales promelas	10.00, Daphnia magna	20.565 (72 hr), Ulva pertusa
Propane - (74-98-6)	Not Available	Not Available	Not Available
Butyl acetate - (123-86-4)	18.00, Pimephales promelas	32.00, Artemia salina	674.70 (72 hr), Scenedesmus subspicatus
Butane - (106-97-8)	6.00, Fish (Piscis)	Not Available	Not Available
Isobutane - (75-28-5)	Not Available	Not Available	Not Available

Methyl Propyl Ketone - (107-87-9)	1,240.00, Pimephales promelas	Not Available	0.00 (96 hr),
1-Methoxy-2-propyl acetate - (108-65-6)	100.00, Salmo gairdneri	500.00, Daphnia magna	Not Available

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

14. Transport information

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	UN1950	UN1950	UN1950
14.2. UN proper shipping name	Aerosols flammable,, Limited Quantity	Aerosols flammable,, Limited Quantity	Aerosols flammable,, Limited Quantity
14.3. Transport hazard class(es)	2.1	2.1	2.1
14.4. Packing group	Not Applicable	Not Applicable	Not Applicable

14.5. Environmental hazards

IMDG Marine Pollutant: No;

14.6. Special precautions for user

No further information

15. Regulatory information

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Toxic Substance Control Act (TSCA)	All components of this material are either listed or exempt from listing on the TSCA Inventory.
WHMIS 1988 Classification	A B5 D2B

US EPA Tier II Hazards

Fire: Yes
Sudden Release of Pressure: Yes
Reactive: No
Immediate (Acute): Yes
Delayed (Chronic): No

EPCRA 302 Extremely Hazardous:
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Carcinogens (>0.0%):

Ethyl Benzene

Proposition 65 - Developmental Toxins (>0.0%):
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

16. Other information

SDS Revision Date 05/03/2017

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapor.

H226 Flammable liquid and vapor.

H280 Contains gas under pressure; may explode if heated.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H336 May cause drowsiness and dizziness.

SDS Revision Date: **05/03/2017**

IMPORTANT NOTE: This information is furnished without warranty, expressed or implied, as to accuracy or completeness. The information is obtained from various sources including the manufacturer and other third party sources. The information may not be valid under all conditions nor if this material is used in combination with other materials or any process. Final determination of suitability of any material is the sole responsibility of the user.

End of Document

SAFETY DATA SHEET

SECTION 1. Identification

GHS product identifier: Red Zero Rust Primer
Product code: AR-60CA FG, AR-60CA GA, AR-60CA QT
Product use: Non flat coating

Supplier details:
Amteco, Inc.
1100 Jefferson Street
P.O. Box 9
Pacific, MO 63069
U.S.A.
Phone (636)271-1300
Fax (636)271-2211

Emergency telephone: CHEMTREC (800)242-9300

SECTION 2. Hazards identification

OSHA/HCS status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Classification of the mixture:
FLAMMABLE LIQUIDS – Category 3
SKIN IRRITATION – Category 2
EYE IRRITATION – Category 2
SPECIFIC TARGET ORGAN TOXICITY (single exposure) – Category 2
ASPIRATION HAZARD – Category 1
ACUTE TOXICITY – Category 4
CARCINOGENICITY – Category 2
AQUATIC CHRONIC – Category 2

Hazard pictograms:

Signal word: Danger

Hazard statements:
Highly flammable liquid or vapor.
May be fatal if swallowed or enters airways.
Harmful if inhaled.
Causes skin irritation.
Causes eye irritation.
May cause respiratory irritation or cause drowsiness or dizziness.
Suspected of causing cancer.
Toxic to aquatic life with long lasting effects.

Prevention: Keep away from heat/sparks/flames and hot surfaces. No smoking. Ground/bond containers and receiving equipment. Use only non-sparking tools. Use explosion proof electric/ventilating/lighting and equipment. Take precautionary measures against static discharge. Avoid breathing dust/fumes/gas/mist/vapor or spray. Use only outdoors or in well ventilated areas. Wear protective gloves/protective clothing/eye protection and face protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash hands thoroughly after handling.

Response: IN CASE OF FIRE use appropriate method to extinguish. IF SWALLOWED immediately call poison control center/doctor. Do NOT induce vomiting. IF ON SKIN wash with plenty of soap and water. If skin irritation occurs get medical advice/attention. IF IN EYES rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritations persists get medical advice/attention. IF INHALED remove victim to fresh air and keep comfortable for breathing. Call a poison control center/doctor if you feel unwell. If exposed or concerned get medical advice/attention. IN CASE OF SPILL absorb spilled liquid with suitable absorbent material.

Storage: Store in a well ventilated place. Keep cool. Store locked up. Keep containers tightly closed.

Disposal: Dispose of contents/containers in accordance with all local, regional, national and international regulations.

SECTION 3. Composition/Information on ingredients

Component	CAS#	% by Wt.
PARACHLOROBENZOTRIFLUORIDE	98-56-6	24.00
NORMAL BUTYL ACETATE	123-86-4	5.00
METHYL PROPYL KETONE	107-87-9	5.00
SOLVENT NAPTHA PETROLEUM HEAVY AROMATIC	64742-94-5	2.00
XYLENE	1330-20-7	0.74
ETHYL BENZENE	100-41-4	0.17

There are no additional ingredients or components present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4. First aid measures

Eye contact: Immediately flush eyes with plenty of water occasionally lifting the upper and lower eyelids. Check for and remove contact lenses. Continue to rinse for at least 15 minutes. Get medical attention.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if

breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison control center or physician. If unconscious place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact: Wash skin thoroughly with soap and water or use recognized skin cleanser. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention.

Ingestion: Get medical attention immediately, Call a poison control center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

SECTION 5. Fire-Fighting measures

Suitable extinguishing: Media Use dry chemical, CO_2, water spray (fog) or foam.

Unsuitable: Extinguishing media Do not use water jet.

Unusual fire and: Explosion Hazards Flammable liquid and vapor. Vapors can travel to a source of ignition and flash back. Empty containers retain product residue (liquid and/or vapor) and can be dangerous. Do NOT pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks, static electricity or other sources of ignition. Also, do not reuse container without commercial cleaning or reconditioning. Closed container may explode under extreme hear.

Special Firefighting: Procedures As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Evacuate all unnecessary personnel. Shut down motors, pumps, electrical service and eliminate all sources of ignition. Water spray to cool containers or protect personnel. Use with caution. Water runoff can cause environmental damage. Dike and collect water used to fight fire.

SECTION 6. Accidental release measures

Spill containment: And clean up

Wear appropriate personal protective equipment. (See Section 8). Eliminate all ignition sources. Evacuate unnecessary personnel. Prevent additional discharge of material if able to do so safely. Do not touch or walk through spilled material. Avoid runoff into storm sewers and ditches which lead to waterways. Do not apply water to the leak. Collect spilled material for disposal. Use only non-combustion material for clean-up. Use clean, non-sparking tools to collect absorbed materials. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Recover large spill by pumping with an explosion proof pump.

SECTION 7. Handling and storage

Protective measures:

Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure – obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not swallow. Avoid breathing vapor or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material. Keep tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

Safe storage:

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well ventilated area away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Occupational hygiene:

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.

SECTION 8. Exposure controls/personal protection

Occupational exposure limits

Component	Exposure limits
PARACHLOROBENZOTRIFLUORIDE	Not Determined
NORMAL BUTYL ACETATE	OSHA PEL: 150 PPM TWA ACGIH TLV: 150 PPM TWA ACGIH TLV: 200 PPM STEL
METHYL PROPYL KETONE	OSHA PEL: 200 PPM ACGIH PEL: 200 PPM
SOLVENT NAPTH PETROLEUM HEAVY AROMATIC	OSHA PEL: 25 PPM TWA ACGIH TLV: 25 PPM TWA ACGIH TLV: 15 PPM STEL
XYLENE	OSHA PEL: 100 PPM ACGIH TLV: 100 PPM
ETHYL BENZENE	OSHA PEL: 100 PPM TWA ACGIH TLV: 100 PPM TWA ACGIH TLV: 125 PPM STEL

Respiratory protection: NIOSH/MSHA approved respirators may be necessary if airborne concentrations are expected to exceed exposure limits.

Skin protection: Wear impervious gloves to prevent contact with the skin. Wear protective gear as needed – apron, suit, boots

Eye protection: Wear safety glasses with side shields (or goggles) and a face shield.

Other protective Equipment: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Hygiene measures: Do not eat, drink or smoke in areas where this material is used. Avoid breathing vapors. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling. Wash hands before eating, drinking or smoking.

SECTION 9. Physical and chemical properties

Appearance:	Red liquid	**Physical State:**	Liquid
Odor:	Solvent	**Odor Threshold:**	Not available
PH:	Not available	**Melting Point:**	Not available
Boiling Point:	133° F	**Flash Point:**	35° F Tag Closed Cup
Upper Flammable Limit:	12.8	**Lower Flammable Limit:**	0.9
Vapor Pressure:	12 mm HG	**Vapor Density:**	>1 (Air=1)
Auto-ignition Temperature:	698° F	**Water Solubility:**	Insoluble
Density:	1.3952	**Freeze Point:**	Not available

SECTION 10. Stability and reactivity

Reactivity: No specific test data related to reactivity available for this product or its ingredients.

Chemical stability: This product is stable.

Hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid: Avoid all possible sources of ignition (sparks or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.

Incompatible materials: Strong oxidizing agents

Hazardous: Decomposition products Hazardous decomposition products are not expected to form during normal storage. During combustion carbon monoxide and carbon dioxide may be formed.

SECTION 11. Toxicological information

Component	LD50(oral)	LD50(dermal)	LC50(vapor)
PARACHLOROBENZOTRIFLUORIDE	6800mg/kg rat	2700mg/kg rabbit	4474mg/l 4hrs
NORMAL BUTYL ACETATE	14130mg/kg rat	8770mg/kg guinea pig	Not Determined
METHYL PROPYL KETONE	1600mg/kg rat	20mg/kg guinea pig	25.5mg/l 4hrs
SOLVENT NAPTHA PETROLEUM HEAVY AROMATIC	5000mg/kg rat	2000mg/kg rabbit	20mg/l 4hrs
XYLENE	2.6g/kg rat	Not Determined	8000mg/l 4hrs
ETHYL BENZENE	3500mg/kg rat	17800mg/kg rabbit	17.2mg/l 4hrs

Likely routes of exposure: Eye contact, inhalation, ingestion, skin contact

Effects of Overexposure

Inhalation: Anesthetic. Irritates respiratory tract. Acute overexposure can cause serious nervous system depression which can cause death. Vapor harmful. Concentrated vapors in confined areas may be fatal. The odor warning when the exposure limit value is exceeded is insufficient. Use of alcohol beverages enhances the harmful effects.

Eye and Skin contact: Primary irritation to skin, defatting, and dermatitis.
Primary irritation to eyes, redness, tearing and blurred vision.
Liquid can cause eye irritation. Wash thoroughly after handling.

Ingestion: May cause gastrointestinal tract irritation, nausea, vomiting, and diarrhea. The symptoms of chemical pneumonitis may not show up for several days.

Chronic hazards: Overexposure may cause nervous system damage. Overexposure may cause kidney damage. May cause liver disorder (e.g. edema, proteinuria) and damage. Significant exposure to this product may adversely affect people with chronic disease of the respiratory system, skin and/or eyes.

Carcinogenicity:

Ethylbenzene Cas No. 100-41-4	2B possibly carcinogenic to humans
Xylene Cas No. 1330-20-7	3 not classified as to carcinogenicity to Humans

Reproductive Toxicity: Suspected of damaging fertility or the unborn child.

Germ Cell Mutagenicity: No data available.

SECTION 12. Ecological information

Toxicity

Aquatic Life: This product is toxic to aquatic life and may cause long term effects in the aquatic environment.

Plant Life: This product may be harmful or fatal to plant life if released into the environment.

Mobility in soil: This material is a mobile liquid.

Biodegradation: No data available.

Accumulation: No data available.

SECTION 13. Disposal considerations

Disposal Instructions: Must not be disposed of together with household garbage. Do not allow product to reach sewage system or water supplies.
Dispose of in accordance with FEDERAL, STATE and LOCAL regulations. Since empty containers retain product residue, follow label warnings even after container is emptied. Residual vapors may explode on ignition: do not cut, drill, grind or weld on or near this container.

SECTION 14. Transport information

Important Note: Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Consult your company's Hazardous Materials/Dangerous Goods expert for information specific to your situations.

DOT: UN 1263 Paint 3 II

IMDG: UN 1263 Paint 3 II

IATA: UN 1263 Paint 3 II

SECTION 15. Regulatory information

EPA Regulations:

Sara Section 311/312 Hazards: Acute Health, Chronic Health, Fire

Sara Title III Ingredients:

XYLENE
ETHYL BENZENE

Inventory status: All components are on TSCA, EINCS/ELINCS, AICS and DSL

Canadian Regulations:

WHMIS Hazard Classification: B2, D2A, D2B

State Regulations:

California Prop 65: This product contains the following chemicals known to the State of California to cause cancer.
XYLENE
ETHYL BENZENE

Massachusetts RTK:

XYLENE and ETHYL BENZENE

New Jersey Worker and Community RTK:

XYLENE and ETHYL BENZENE

Pennsylvania Worker and Community RTK:

XYLENE and ETHYL BENZENE

Rhode Island RTK:

XYLENE and ETHYL BENZENE

SECTION 16. Other information

Disclaimer: To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier, nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. Alteration of this document is strictly prohibited. Any use of this data and information must be determined by the user to be in accordance with applicable Federal, State, Provincial and local laws and regulations.

HMIS Hazard Rating: Health – 2 Flammability – 3 Chemical Reactivity - 0

SAFETY DATA SHEET

SECTION 1. Identification

GHS product identifier: Gray Zero Rust Primer
Product code: AR-61CA FG, AR-61CA GA, AR-61CA QT
Product use: Non flat coating

Supplier details:
Amteco, Inc.
1100 Jefferson Street
P.O. Box 9
Pacific, MO 63069
U.S.A.
Phone (636)271-1300
Fax (636)271-2211

Emergency telephone: CHEMTREC (800)242-9300

SECTION 2. Hazards identification

OSHA/HCS status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Classification of the mixture:
FLAMMABLE LIQUIDS – Category 3
SKIN IRRITATION – Category 2
EYE IRRITATION – Category 2
SPECIFIC TARGET ORGAN TOXICITY (single exposure) – Category 2
ASPIRATION HAZARD – Category 1
ACUTE TOXICITY – Category 4
CARCINOGENICITY – Category 2
AQUATIC CHRONIC – Category 2

Hazard pictograms:

Signal word: Danger

Hazard statements:
Highly flammable liquid or vapor.
May be fatal if swallowed or enters airways.
Harmful if inhaled.
Causes skin irritation.
Causes eye irritation.
May cause respiratory irritation or cause drowsiness or dizziness.
Suspected of causing cancer.
Toxic to aquatic life with long lasting effects.

Prevention: Keep away from heat/sparks/flames and hot surfaces. No smoking. Ground/bond containers and receiving equipment. Use only non-sparking tools. Use explosion proof electric/ventilating/lighting and equipment. Take precautionary measures against static discharge. Avoid breathing dust/fumes/gas/mist/vapor or spray. Use only outdoors or in well ventilated areas. Wear protective gloves/protective clothing/eye protection and face protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash hands thoroughly after handling.

Response: IN CASE OF FIRE use appropriate method to extinguish. IF SWALLOWED immediately call poison control center/doctor. Do NOT induce vomiting. IF ON SKIN wash with plenty of soap and water. If skin irritation occurs get medical advice/attention. IF IN EYES rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritations persists get medical advice/attention. IF INHALED remove victim to fresh air and keep comfortable for breathing. Call a poison control center/doctor if you feel unwell. If exposed or concerned get medical advice/attention. IN CASE OF SPILL absorb spilled liquid with suitable absorbent material.

Storage: Store in a well ventilated place. Keep cool. Store locked up. Keep containers tightly closed.

Disposal: Dispose of contents/containers in accordance with all local, regional, national and international regulations.

SECTION 3. Composition/Information on ingredients

Component	CAS#	% by Wt.
PARACHLOROBENZOTRIFLUORIDE	98-56-6	25.00
NORMAL BUTYL ACETATE	123-86-4	5.00
METHYL PROPYL KETONE	107-87-9	5.00
SOLVENT NAPTHA PETROLEUM HEAVY AROMATIC	64742-94-5	2.00
XYLENE	1330-20-7	0.77
ETHYL BENZENE	100-41-4	0.18

There are no additional ingredients or components present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4. First aid measures

Eye contact: Immediately flush eyes with plenty of water occasionally lifting the upper and lower eyelids. Check for and remove contact lenses. Continue to rinse for at least 15 minutes. Get medical attention.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if

breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison control center or physician. If unconscious place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact: Wash skin thoroughly with soap and water or use recognized skin cleanser. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention.

Ingestion: Get medical attention immediately, Call a poison control center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

SECTION 5. Fire-Fighting measures

Suitable extinguishing: Media Use dry chemical, CO_2, water spray (fog) or foam.

Unsuitable: Extinguishing media Do not use water jet.

Unusual fire and: Explosion Hazards Flammable liquid and vapor. Vapors can travel to a source of ignition and flash back. Empty containers retain product residue (liquid and/or vapor) and can be dangerous. Do NOT pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks, static electricity or other sources of ignition. Also, do not reuse container without commercial cleaning or reconditioning. Closed container may explode under extreme hear.

Special Firefighting: Procedures As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Evacuate all unnecessary personnel. Shut down motors, pumps, electrical service and eliminate all sources of ignition. Water spray to cool containers or protect personnel. Use with caution. Water runoff can cause environmental damage. Dike and collect water used to fight fire.

SECTION 6. Accidental release measures

Spill containment: And clean up

Wear appropriate personal protective equipment. (See Section 8). Eliminate all ignition sources. Evacuate unnecessary personnel. Prevent additional discharge of material if able to do so safely. Do not touch or walk through spilled material. Avoid runoff into storm sewers and ditches which lead to waterways. Do not apply water to the leak. Collect spilled material for disposal. Use only non-combustion material for clean-up. Use clean, non-sparking tools to collect absorbed materials. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Recover large spill by pumping with an explosion proof pump.

SECTION 7. Handling and storage

Protective measures:

Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure – obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not swallow. Avoid breathing vapor or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material. Keep tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

Safe storage:

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well ventilated area away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Occupational hygiene:

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.

SECTION 8. Exposure controls/personal protection

Occupational exposure limits

Component	Exposure limits
PARACHLOROBENZOTRIFLUORIDE	Not Determined
NORMAL BUTYL ACETATE	OSHA PEL: 150 PPM TWA ACGIH TLV: 150 PPM TWA ACGIH TLV: 200 PPM STEL
METHYL PROPYL KETONE	OSHA PEL: 200 PPM ACGIH PEL: 200 PPM
SOLVENT NAPTH PETROLEUM HEAVY AROMATIC	OSHA PEL: 25 PPM TWA ACGIH TLV: 25 PPM TWA ACGIH TLV: 15 PPM STEL
XYLENE	OSHA PEL: 100 PPM ACGIH TLV: 100 PPM
ETHYL BENZENE	OSHA PEL: 100 PPM TWA ACGIH TLV: 100 PPM TWA ACGIH TLV: 125 PPM STEL

Respiratory protection: NIOSH/MSHA approved respirators may be necessary if airborne concentrations are expected to exceed exposure limits.

Skin protection: Wear impervious gloves to prevent contact with the skin. Wear protective gear as needed – apron, suit, boots

Eye protection: Wear safety glasses with side shields (or goggles) and a face shield.

Other protective Equipment: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Hygiene measures: Do not eat, drink or smoke in areas where this material is used. Avoid breathing vapors. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling. Wash hands before eating, drinking or smoking.

SECTION 9. Physical and chemical properties

Appearance:	Gray liquid	**Physical State:**	Liquid
Odor:	Solvent	**Odor Threshold:**	Not available
PH:	Not available	**Melting Point:**	Not available
Boiling Point:	133° F	**Flash Point:**	35° F Tag Closed Cup
Upper Flammable Limit:	12.8	**Lower Flammable Limit:**	0.9
Vapor Pressure:	12 mm HG	**Vapor Density:**	>1 (Air=1)
Auto-ignition Temperature:	698° F	**Water Solubility:**	Insoluble
Density:	1.3952	**Freeze Point:**	Not available

SECTION 10. Stability and reactivity

Reactivity: No specific test data related to reactivity available for this product or its ingredients.

Chemical stability: This product is stable.

Hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid: Avoid all possible sources of ignition (sparks or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.

Incompatible materials: Strong oxidizing agents

Hazardous: Decomposition products Hazardous decomposition products are not expected to form during normal storage. During combustion carbon monoxide and carbon dioxide may be formed.

SECTION 11. Toxicological information

Component	LD50(oral)	LD50(dermal)	LC50(vapor)
PARACHLOROBENZOTRIFLUORIDE	6800mg/kg rat	2700mg/kg rabbit	4474mg/l 4hrs
NORMAL BUTYL ACETATE	14130mg/kg rat	8770mg/kg guinea pig	Not Determined
METHYL PROPYL KETONE	1600mg/kg rat	20mg/kg guinea pig	25.5mg/l 4hrs
SOLVENT NAPTHA PETROLEUM HEAVY AROMATIC	5000mg/kg rat	2000mg/kg rabbit	20mg/l 4hrs
XYLENE	2.6g/kg rat	Not Determined	8000mg/l 4hrs
ETHYL BENZENE	3500mg/kg rat	17800mg/kg rabbit	17.2mg/l 4hrs

Likely routes of exposure: Eye contact, inhalation, ingestion, skin contact

Effects of Overexposure

Inhalation: Anesthetic. Irritates respiratory tract. Acute overexposure can cause serious nervous system depression which can cause death. Vapor harmful. Concentrated vapors in confined areas may be fatal. The odor warning when the exposure limit value is exceeded is insufficient. Use of alcohol beverages enhances the harmful effects.

Eye and Skin contact: Primary irritation to skin, defatting, and dermatitis.
Primary irritation to eyes, redness, tearing and blurred vision.
Liquid can cause eye irritation. Wash thoroughly after handling.

Ingestion: May cause gastrointestinal tract irritation, nausea, vomiting, and diarrhea. The symptoms of chemical pneumonitis may not show up for several days.

Chronic hazards: Overexposure may cause nervous system damage. Overexposure may cause kidney damage. May cause liver disorder (e.g. edema, proteinuria) and damage. Significant exposure to this product may adversely affect people with chronic disease of the respiratory system, skin and/or eyes.

Carcinogenicity:

Ethylbenzene Cas No. 100-41-4	2B possibly carcinogenic to humans
Xylene Cas No. 1330-20-7	3 not classified as to carcinogenicity to Humans

Reproductive Toxicity: Suspected of damaging fertility or the unborn child.

Germ Cell Mutagenicity: No data available.

SECTION 12. Ecological information

Toxicity

Aquatic Life: This product is toxic to aquatic life and may cause long term effects in the aquatic environment.

Plant Life: This product may be harmful or fatal to plant life if released into the environment.

Mobility in soil: This material is a mobile liquid.

Biodegradation: No data available.

Accumulation: No data available.

SECTION 13. Disposal considerations

Disposal Instructions: Must not be disposed of together with household garbage. Do not allow product to reach sewage system or water supplies.
Dispose of in accordance with FEDERAL, STATE and LOCAL regulations. Since empty containers retain product residue, follow label warnings even after container is emptied. Residual vapors may explode on ignition: do not cut, drill, grind or weld on or near this container.

SECTION 14. Transport information

Important Note: Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Consult your company's Hazardous Materials/Dangerous Goods expert for information specific to your situations.

DOT: UN 1263 Paint 3 II

IMDG: UN 1263 Paint 3 II

IATA: UN 1263 Paint 3 II

SECTION 15. Regulatory information

EPA Regulations:

Sara Section 311/312 Hazards: Acute Health, Chronic Health, Fire

Sara Title III Ingredients:

XYLENE
ETHYL BENZENE

Inventory status: All components are on TSCA, EINCS/ELINCS, AICS and DSL

Canadian Regulations:

WHMIS Hazard Classification: B2, D2A, D2B

State Regulations:

California Prop 65: This product contains the following chemicals known to the State of California to cause cancer.
XYLENE
ETHYL BENZENE

Massachusetts RTK:

XYLENE and ETHYL BENZENE

New Jersey Worker and Community RTK:

XYLENE and ETHYL BENZENE

Pennsylvania Worker and Community RTK:

XYLENE and ETHYL BENZENE

Rhode Island RTK:

XYLENE and ETHYL BENZENE

SECTION 16. Other information

Disclaimer: To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier, nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. Alteration of this document is strictly prohibited. Any use of this data and information must be determined by the user to be in accordance with applicable Federal, State, Provincial and local laws and regulations.

HMIS Hazard Rating: Health – 2 Flammability – 3 Chemical Reactivity - 0

SAFETY DATA SHEET

SECTION 1. Identification

GHS product identifier: Black Zero Rust Primer
Product code: AR-62CA FG, AR-62CA GA, AR-62CA QT
Product use: Non flat coating

Supplier details:
Amteco, Inc.
1100 Jefferson Street
P.O. Box 9
Pacific, MO 63069
U.S.A.
Phone (636)271-1300
Fax (636)271-2211

Emergency telephone: CHEMTREC (800)242-9300

SECTION 2. Hazards identification

OSHA/HCS status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Classification of the mixture:
FLAMMABLE LIQUIDS – Category 3
SKIN IRRITATION – Category 2
EYE IRRITATION – Category 2
SPECIFIC TARGET ORGAN TOXICITY (single exposure) – Category 2
ASPIRATION HAZARD – Category 1
ACUTE TOXICITY – Category 4
CARCINOGENICITY – Category 2
AQUATIC CHRONIC – Category 2

Hazard pictograms:

Signal word: Danger

Hazard statements:
Highly flammable liquid or vapor.
May be fatal if swallowed or enters airways.
Harmful if inhaled.
Causes skin irritation.
Causes eye irritation.
May cause respiratory irritation or cause drowsiness or dizziness.
Suspected of causing cancer.
Toxic to aquatic life with long lasting effects.

Prevention: Keep away from heat/sparks/flames and hot surfaces. No smoking. Ground/bond containers and receiving equipment. Use only non-sparking tools. Use explosion proof electric/ventilating/lighting and equipment. Take precautionary measures against static discharge. Avoid breathing dust/fumes/gas/mist/vapor or spray. Use only outdoors or in well ventilated areas. Wear protective gloves/protective clothing/eye protection and face protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash hands thoroughly after handling.

Response: IN CASE OF FIRE use appropriate method to extinguish. IF SWALLOWED immediately call poison control center/doctor. Do NOT induce vomiting. IF ON SKIN wash with plenty of soap and water. If skin irritation occurs get medical advice/attention. IF IN EYES rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritations persists get medical advice/attention. IF INHALED remove victim to fresh air and keep comfortable for breathing. Call a poison control center/doctor if you feel unwell. If exposed or concerned get medical advice/attention. IN CASE OF SPILL absorb spilled liquid with suitable absorbent material.

Storage: Store in a well ventilated place. Keep cool. Store locked up. Keep containers tightly closed.

Disposal: Dispose of contents/containers in accordance with all local, regional, national and international regulations.

SECTION 3. Composition/Information on ingredients

Component	CAS#	% by Wt.
PARACHLOROBENZOTRIFLUORIDE	98-56-6	25.00
NORMAL BUTYL ACETATE	123-86-4	5.00
METHYL PROPYL KETONE	107-87-9	4.00
SOLVENT NAPTHA PETROLEUM HEAVY AROMATIC	64742-94-5	2.00
XYLENE	1330-20-7	0.73
ETHYL BENZENE	100-41-4	0.17

There are no additional ingredients or components present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4. First aid measures

Eye contact: Immediately flush eyes with plenty of water occasionally lifting the upper and lower eyelids. Check for and remove contact lenses. Continue to rinse for at least 15 minutes. Get medical attention.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if

breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison control center or physician. If unconscious place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact: Wash skin thoroughly with soap and water or use recognized skin cleanser. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention.

Ingestion: Get medical attention immediately, Call a poison control center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

SECTION 5. Fire-Fighting measures

Suitable extinguishing: Media Use dry chemical, CO_2, water spray (fog) or foam.

Unsuitable: Extinguishing media Do not use water jet.

Unusual fire and: Explosion Hazards Flammable liquid and vapor. Vapors can travel to a source of ignition and flash back. Empty containers retain product residue (liquid and/or vapor) and can be dangerous. Do NOT pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks, static electricity or other sources of ignition. Also, do not reuse container without commercial cleaning or reconditioning. Closed container may explode under extreme hear.

Special Firefighting: Procedures As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Evacuate all unnecessary personnel. Shut down motors, pumps, electrical service and eliminate all sources of ignition. Water spray to cool containers or protect personnel. Use with caution. Water runoff can cause environmental damage. Dike and collect water used to fight fire.

SECTION 6. Accidental release measures

Spill containment: And clean up

Wear appropriate personal protective equipment. (See Section 8). Eliminate all ignition sources. Evacuate unnecessary personnel. Prevent additional discharge of material if able to do so safely. Do not touch or walk through spilled material. Avoid runoff into storm sewers and ditches which lead to waterways. Do not apply water to the leak. Collect spilled material for disposal. Use only non-combustion material for clean-up. Use clean, non-sparking tools to collect absorbed materials. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Recover large spill by pumping with an explosion proof pump.

SECTION 7. Handling and storage

Protective measures:

Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure – obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not swallow. Avoid breathing vapor or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material. Keep tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

Safe storage:

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well ventilated area away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Occupational hygiene:

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.

SECTION 8. Exposure controls/personal protection

Occupational exposure limits

Component	Exposure limits
PARACHLOROBENZOTRIFLUORIDE	Not Determined
NORMAL BUTYL ACETATE	OSHA PEL: 150 PPM TWA ACGIH TLV: 150 PPM TWA ACGIH TLV: 200 PPM STEL
METHYL PROPYL KETONE	OSHA PEL: 200 PPM ACGIH PEL: 200 PPM
SOLVENT NAPTH PETROLEUM HEAVY AROMATIC	OSHA PEL: 25 PPM TWA ACGIH TLV: 25 PPM TWA ACGIH TLV: 15 PPM STEL
XYLENE	OSHA PEL: 100 PPM ACGIH TLV: 100 PPM
ETHYL BENZENE	OSHA PEL: 100 PPM TWA ACGIH TLV: 100 PPM TWA ACGIH TLV: 125 PPM STEL

Respiratory protection: NIOSH/MSHA approved respirators may be necessary if airborne concentrations are expected to exceed exposure limits.

Skin protection: Wear impervious gloves to prevent contact with the skin. Wear protective gear as needed – apron, suit, boots

Eye protection: Wear safety glasses with side shields (or goggles) and a face shield.

Other protective Equipment: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Hygiene measures: Do not eat, drink or smoke in areas where this material is used. Avoid breathing vapors. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling. Wash hands before eating, drinking or smoking.

SECTION 9. Physical and chemical properties

Appearance:	Black liquid	**Physical State:**	Liquid
Odor:	Solvent	**Odor Threshold:**	Not available
PH:	Not available	**Melting Point:**	Not available
Boiling Point:	133° F	**Flash Point:**	35° F Tag Closed Cup
Upper Flammable Limit:	12.8	**Lower Flammable Limit:**	0.9
Vapor Pressure:	12 mm HG	**Vapor Density:**	>1 (Air=1)
Auto-ignition Temperature:	698° F	**Water Solubility:**	Insoluble
Density:	1.3952	**Freeze Point:**	Not available

SECTION 10. Stability and reactivity

Reactivity: No specific test data related to reactivity available for this product or its ingredients.

Chemical stability: This product is stable.

Hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid: Avoid all possible sources of ignition (sparks or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.

Incompatible materials: Strong oxidizing agents

Hazardous: Decomposition products Hazardous decomposition products are not expected to form during normal storage. During combustion carbon monoxide and carbon dioxide may be formed.

SECTION 11. Toxicological information

Component	LD50(oral)	LD50(dermal)	LC50(vapor)
PARACHLOROBENZOTRIFLUORIDE	6800mg/kg rat	2700mg/kg rabbit	4474mg/l 4hrs
NORMAL BUTYL ACETATE	14130mg/kg rat	8770mg/kg guinea pig	Not Determined
METHYL PROPYL KETONE	1600mg/kg rat	20mg/kg guinea pig	25.5mg/l 4hrs
SOLVENT NAPTHA PETROLEUM HEAVY AROMATIC	5000mg/kg rat	2000mg/kg rabbit	20mg/l 4hrs
XYLENE	2.6g/kg rat	Not Determined	8000mg/l 4hrs
ETHYL BENZENE	3500mg/kg rat	17800mg/kg rabbit	17.2mg/l 4hrs

Likely routes of exposure: Eye contact, inhalation, ingestion, skin contact

Effects of Overexposure

Inhalation: Anesthetic. Irritates respiratory tract. Acute overexposure can cause serious nervous system depression which can cause death. Vapor harmful. Concentrated vapors in confined areas may be fatal. The odor warning when the exposure limit value is exceeded is insufficient. Use of alcohol beverages enhances the harmful effects.

Eye and Skin contact: Primary irritation to skin, defatting, and dermatitis.
Primary irritation to eyes, redness, tearing and blurred vision.
Liquid can cause eye irritation. Wash thoroughly after handling.

Ingestion: May cause gastrointestinal tract irritation, nausea, vomiting, and diarrhea. The symptoms of chemical pneumonitis may not show up for several days.

Chronic hazards: Overexposure may cause nervous system damage. Overexposure may cause kidney damage. May cause liver disorder (e.g. edema, proteinuria) and damage. Significant exposure to this product may adversely affect people with chronic disease of the respiratory system, skin and/or eyes.

Carcinogenicity:

Ethylbenzene Cas No. 100-41-4	2B possibly carcinogenic to humans
Xylene Cas No. 1330-20-7	3 not classified as to carcinogenicity to Humans

Reproductive Toxicity: Suspected of damaging fertility or the unborn child.

Germ Cell Mutagenicity: No data available.

SECTION 12. Ecological information

Toxicity

Aquatic Life: This product is toxic to aquatic life and may cause long term effects in the aquatic environment.

Plant Life: This product may be harmful or fatal to plant life if released into the environment.

Mobility in soil: This material is a mobile liquid.

Biodegradation: No data available.

Accumulation: No data available.

SECTION 13. Disposal considerations

Disposal Instructions: Must not be disposed of together with household garbage. Do not allow product to reach sewage system or water supplies.
Dispose of in accordance with FEDERAL, STATE and LOCAL regulations. Since empty containers retain product residue, follow label warnings even after container is emptied. Residual vapors may explode on ignition: do not cut, drill, grind or weld on or near this container.

SECTION 14. Transport information

Important Note: Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Consult your company's Hazardous Materials/Dangerous Goods expert for information specific to your situations.

DOT: UN 1263 Paint 3 II

IMDG: UN 1263 Paint 3 II

IATA: UN 1263 Paint 3 II

SECTION 15. Regulatory information

EPA Regulations:

Sara Section 311/312 Hazards: Acute Health, Chronic Health, Fire

Sara Title III Ingredients:

XYLENE
ETHYL BENZENE

Inventory status: All components are on TSCA, EINCS/ELINCS, AICS and DSL

Canadian Regulations:

WHMIS Hazard Classification: B2, D2A, D2B

State Regulations:

California Prop 65: This product contains the following chemicals known to the State of California to cause cancer.
XYLENE
ETHYL BENZENE

Massachusetts RTK:

XYLENE and ETHYL BENZENE

New Jersey Worker and Community RTK:

XYLENE and ETHYL BENZENE

Pennsylvania Worker and Community RTK:

XYLENE and ETHYL BENZENE

Rhode Island RTK:

XYLENE and ETHYL BENZENE

SECTION 16. Other information

Disclaimer: To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier, nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. Alteration of this document is strictly prohibited. Any use of this data and information must be determined by the user to be in accordance with applicable Federal, State, Provincial and local laws and regulations.

HMIS Hazard Rating: Health – 2 Flammability – 3 Chemical Reactivity - 0

SAFETY DATA SHEET

SECTION 1. Identification

GHS product identifier: White Zero Rust Primer
Product code: AR-67CA FG, AR-67CA GA, AR-67CA QT
Product use: Non flat coating

Supplier details:
Amteco, Inc.
1100 Jefferson Street
P.O. Box 9
Pacific, MO 63069
U.S.A.
Phone (636)271-1300
Fax (636)271-2211

Emergency telephone: CHEMTREC (800)242-9300

SECTION 2. Hazards identification

OSHA/HCS status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Classification of the mixture:
FLAMMABLE LIQUIDS – Category 3
SKIN IRRITATION – Category 2
EYE IRRITATION – Category 2
SPECIFIC TARGET ORGAN TOXICITY (single exposure) – Category 2
ASPIRATION HAZARD – Category 1
ACUTE TOXICITY – Category 4
CARCINOGENICITY – Category 2
AQUATIC CHRONIC – Category 2

Hazard pictograms:

Signal word: Danger

Hazard statements:
Highly flammable liquid or vapor.
May be fatal if swallowed or enters airways.
Harmful if inhaled.
Causes skin irritation.
Causes eye irritation.
May cause respiratory irritation or cause drowsiness or dizziness.
Suspected of causing cancer.
Toxic to aquatic life with long lasting effects.

Prevention: Keep away from heat/sparks/flames and hot surfaces. No smoking. Ground/bond containers and receiving equipment. Use only non-sparking tools. Use explosion proof electric/ventilating/lighting and equipment. Take precautionary measures against static discharge. Avoid breathing dust/fumes/gas/mist/vapor or spray. Use only outdoors or in well ventilated areas. Wear protective gloves/protective clothing/eye protection and face protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash hands thoroughly after handling.

Response: IN CASE OF FIRE use appropriate method to extinguish. IF SWALLOWED immediately call poison control center/doctor. Do NOT induce vomiting. IF ON SKIN wash with plenty of soap and water. If skin irritation occurs get medical advice/attention. IF IN EYES rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritations persists get medical advice/attention. IF INHALED remove victim to fresh air and keep comfortable for breathing. Call a poison control center/doctor if you feel unwell. If exposed or concerned get medical advice/attention. IN CASE OF SPILL absorb spilled liquid with suitable absorbent material.

Storage: Store in a well ventilated place. Keep cool. Store locked up. Keep containers tightly closed.

Disposal: Dispose of contents/containers in accordance with all local, regional, national and international regulations.

SECTION 3. Composition/Information on ingredients

Component	CAS#	% by Wt.
PARACHLOROBENZOTRIFLUORIDE	98-56-6	23.00
NORMAL BUTYL ACETATE	123-86-4	4.00
METHYL PROPYL KETONE	107-87-9	4.00
SOLVENT NAPTHA PETROLEUM HEAVY AROMATIC	64742-94-5	3.00
XYLENE	1330-20-7	0.63
ETHYL BENZENE	100-41-4	0.15

There are no additional ingredients or components present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4. First aid measures

Eye contact: Immediately flush eyes with plenty of water occasionally lifting the upper and lower eyelids. Check for and remove contact lenses. Continue to rinse for at least 15 minutes. Get medical attention.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if

breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison control center or physician. If unconscious place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact: Wash skin thoroughly with soap and water or use recognized skin cleanser. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention.

Ingestion: Get medical attention immediately, Call a poison control center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

SECTION 5. Fire-Fighting measures

Suitable extinguishing: Media Use dry chemical, CO_2, water spray (fog) or foam.

Unsuitable: Extinguishing media Do not use water jet.

Unusual fire and: Explosion Hazards Flammable liquid and vapor. Vapors can travel to a source of ignition and flash back. Empty containers retain product residue (liquid and/or vapor) and can be dangerous. Do NOT pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks, static electricity or other sources of ignition. Also, do not reuse container without commercial cleaning or reconditioning. Closed container may explode under extreme hear.

Special Firefighting: Procedures As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Evacuate all unnecessary personnel. Shut down motors, pumps, electrical service and eliminate all sources of ignition. Water spray to cool containers or protect personnel. Use with caution. Water runoff can cause environmental damage. Dike and collect water used to fight fire.

SECTION 6. Accidental release measures

Spill containment: And clean up

Wear appropriate personal protective equipment. (See Section 8). Eliminate all ignition sources. Evacuate unnecessary personnel. Prevent additional discharge of material if able to do so safely. Do not touch or walk through spilled material. Avoid runoff into storm sewers and ditches which lead to waterways. Do not apply water to the leak. Collect spilled material for disposal. Use only non-combustion material for clean-up. Use clean, non-sparking tools to collect absorbed materials. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Recover large spill by pumping with an explosion proof pump.

SECTION 7. Handling and storage

Protective measures:

Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure – obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not swallow. Avoid breathing vapor or mist. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material. Keep tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

Safe storage:

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well ventilated area away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Occupational hygiene:

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.

SECTION 8. Exposure controls/personal protection

Occupational exposure limits

Component	Exposure limits
PARACHLOROBENZOTRIFLUORIDE	Not Determined
NORMAL BUTYL ACETATE	OSHA PEL: 150 PPM TWA ACGIH TLV: 150 PPM TWA ACGIH TLV: 200 PPM STEL
METHYL PROPYL KETONE	OSHA PEL: 200 PPM ACGIH PEL: 200 PPM
SOLVENT NAPTH PETROLEUM HEAVY AROMATIC	OSHA PEL: 25 PPM TWA ACGIH TLV: 25 PPM TWA ACGIH TLV: 15 PPM STEL
XYLENE	OSHA PEL: 100 PPM ACGIH TLV: 100 PPM
ETHYL BENZENE	OSHA PEL: 100 PPM TWA ACGIH TLV: 100 PPM TWA ACGIH TLV: 125 PPM STEL

Respiratory protection: NIOSH/MSHA approved respirators may be necessary if airborne concentrations are expected to exceed exposure limits.

Skin protection: Wear impervious gloves to prevent contact with the skin. Wear protective gear as needed – apron, suit, boots

Eye protection: Wear safety glasses with side shields (or goggles) and a face shield.

Other protective Equipment: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Hygiene measures: Do not eat, drink or smoke in areas where this material is used. Avoid breathing vapors. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling. Wash hands before eating, drinking or smoking.

SECTION 9. Physical and chemical properties

Appearance:	White liquid	**Physical State:**	Liquid
Odor:	Solvent	**Odor Threshold:**	Not available
PH:	Not available	**Melting Point:**	Not available
Boiling Point:	133° F	**Flash Point:**	35° F Tag Closed Cup
Upper Flammable Limit:	12.8	**Lower Flammable Limit:**	0.9
Vapor Pressure:	12 mm HG	**Vapor Density:**	>1 (Air=1)
Auto-ignition Temperature:	698° F	**Water Solubility:**	Insoluble
Density:	1.3952	**Freeze Point:**	Not available

SECTION 10. Stability and reactivity

Reactivity: No specific test data related to reactivity available for this product or its ingredients.

Chemical stability: This product is stable.

Hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid: Avoid all possible sources of ignition (sparks or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.

Incompatible materials: Strong oxidizing agents

Hazardous: Decomposition products Hazardous decomposition products are not expected to form during normal storage. During combustion carbon monoxide and carbon dioxide may be formed.

SECTION 11. Toxicological information

Component	LD50(oral)	LD50(dermal)	LC50(vapor)
PARACHLOROBENZOTRIFLUORIDE	6800mg/kg rat	2700mg/kg rabbit	4474mg/l 4hrs
NORMAL BUTYL ACETATE	14130mg/kg rat	8770mg/kg guinea pig	Not Determined
METHYL PROPYL KETONE	1600mg/kg rat	20mg/kg guinea pig	25.5mg/l 4hrs
SOLVENT NAPTHA PETROLEUM HEAVY AROMATIC	5000mg/kg rat	2000mg/kg rabbit	20mg/l 4hrs
XYLENE	2.6g/kg rat	Not Determined	8000mg/l 4hrs
ETHYL BENZENE	3500mg/kg rat	17800mg/kg rabbit	17.2mg/l 4hrs

Likely routes of exposure: Eye contact, inhalation, ingestion, skin contact

Effects of Overexposure

Inhalation: Anesthetic. Irritates respiratory tract. Acute overexposure can cause serious nervous system depression which can cause death. Vapor harmful. Concentrated vapors in confined areas may be fatal. The odor warning when the exposure limit value is exceeded is insufficient. Use of alcohol beverages enhances the harmful effects.

Eye and Skin contact: Primary irritation to skin, defatting, and dermatitis.
Primary irritation to eyes, redness, tearing and blurred vision.
Liquid can cause eye irritation. Wash thoroughly after handling.

Ingestion: May cause gastrointestinal tract irritation, nausea, vomiting, and diarrhea. The symptoms of chemical pneumonitis may not show up for several days.

Chronic hazards: Overexposure may cause nervous system damage. Overexposure may cause kidney damage. May cause liver disorder (e.g. edema, proteinuria) and damage. Significant exposure to this product may adversely affect people with chronic disease of the respiratory system, skin and/or eyes.

Carcinogenicity:

Ethylbenzene Cas No. 100-41-4	2B possibly carcinogenic to humans
Xylene Cas No. 1330-20-7	3 not classified as to carcinogenicity to Humans

Reproductive Toxicity: Suspected of damaging fertility or the unborn child.

Germ Cell Mutagenicity: No data available.

SECTION 12. Ecological information

Toxicity

Aquatic Life: This product is toxic to aquatic life and may cause long term effects in the aquatic environment.

Plant Life: This product may be harmful or fatal to plant life if released into the environment.

Mobility in soil: This material is a mobile liquid.

Biodegradation: No data available.

Accumulation: No data available.

SECTION 13. Disposal considerations

Disposal Instructions: Must not be disposed of together with household garbage. Do not allow product to reach sewage system or water supplies.
Dispose of in accordance with FEDERAL, STATE and LOCAL regulations. Since empty containers retain product residue, follow label warnings even after container is emptied. Residual vapors may explode on ignition: do not cut, drill, grind or weld on or near this container.

SECTION 14. Transport information

Important Note: Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Consult your company's Hazardous Materials/Dangerous Goods expert for information specific to your situations.

DOT: UN 1263 Paint 3 II

IMDG: UN 1263 Paint 3 II

IATA: UN 1263 Paint 3 II

SECTION 15. Regulatory information

EPA Regulations:

Sara Section 311/312 Hazards: Acute Health, Chronic Health, Fire

Sara Title III Ingredients:

XYLENE
ETHYL BENZENE

Inventory status: All components are on TSCA, EINCS/ELINCS, AICS and DSL

Canadian Regulations:

WHMIS Hazard Classification: B2, D2A, D2B

State Regulations:

California Prop 65: This product contains the following chemicals known to the State of California to cause cancer.
XYLENE
ETHYL BENZENE

Massachusetts RTK:

XYLENE and ETHYL BENZENE

New Jersey Worker and Community RTK:

XYLENE and ETHYL BENZENE

Pennsylvania Worker and Community RTK:

XYLENE and ETHYL BENZENE

Rhode Island RTK:

XYLENE and ETHYL BENZENE

SECTION 16. Other information

Disclaimer: To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier, nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. Alteration of this document is strictly prohibited. Any use of this data and information must be determined by the user to be in accordance with applicable Federal, State, Provincial and local laws and regulations.

HMIS Hazard Rating: Health – 2 Flammability – 3 Chemical Reactivity - 0

RUST AND CORROSION BARRIER COATING
AEROSOL PRODUCTS

COLOR SELECTION:
60SP RED OXIDE, 61SP GRAY, 62SP BLACK, 63SP YELLOW, 67SP WHITE, 68SP SAFETY BLUE, 70SP GREEN, 71SP SAFETY YELLOW, 72SP SAFETY RED, 95SP TAN

PRODUCT DESCRIPTION:
ZERO-RUST® is a phenolic-modified alkyd coating which controls rust and corrosion by putting down an impermeable barrier at the steel level. *ZERO-RUST®* is a single package, air dry, direct to metal coating which contains no lead or isocyanates.

PRODUCT USES:
Perfect for new and old steel, rusty surfaces and partially rusted, partially painted surfaces.
ZERO-RUST® is not recommended for submersion applications.
ZERO-RUST® is not recommended for use on galvanized steel without first applying a wash primer.

SURFACE PREPARATION:
FOR COMPLETE PROCEDURES REFER TO THE APPLICATION GUIDE.

GENERAL – Sandblasting is not required. All surfaces must be cleaned to remove dirt, oil, grease, silicone and any other contaminants. Remove all loose rust. As with any paint product, a direct relationship exists between surface preparation and product performance.

DIRECTIONS FOR USE:
Shake can at least one minute before use, and occasionally during use.

For best results apply two coats. Allow the first coat to dry 20-30 minutes before the application of the second coat. Apply at the recommended coverage rate to ensure proper film thickness, dry time and corrosion resistance.

DRY TIME:
Dry times will vary greatly depending on applied film thickness, air movement, flash time between coats, relative humidity and temperature. *ZERO-RUST®* dries to the touch in 30 minutes and is tack free within one hour with proper application and when dried at 70°F and 50% relative humidity. Do not over apply. Excess film will extend dry times dramatically and waste material, with no improvement in corrosion protection.

PHYSICAL DATA:

Fill:	12 weight ounces
Maximum VOC:	65.0% by weight
Maximum MIR value:	1.4

COVERAGE:
Each aerosol can covers approximately nine square feet.

RUST AND CORROSION CONTROL COATING

COLOR SELECTION:

AR-60-CA RED OXIDE, AR-61-CA GRAY, AR-62-CA BLACK, AR-67-CA WHITE

PRODUCT DESCRIPTION:

ZERO-RUST® is a high-solids, low VOC phenolic-modified alkyd coating which controls rust and corrosion by putting down an impermeable barrier at the steel level. *ZERO-RUST®* is a single package, air dry, direct to metal coating which contains no lead or isocyanates.

PRODUCT USES:

Perfect for new and old steel, rusty surfaces and partially rusted, partially painted surfaces.
ZERO-RUST® is not recommended for submersion applications.
ZERO-RUST® is not recommended for use on galvanized steel without first applying a wash primer.

SURFACE PREPARATION:

FOR COMPLETE PROCEDURES REFER TO THE APPLICATION GUIDE.

GENERAL – Sandblasting is not required. All surfaces must be cleaned to remove dirt, oil, grease, silicone and any other contaminants. Remove all loose rust. As with any paint product, a direct relationship exists between surface preparation and product performance.

METHOD OF APPLICATION:

MIX THOROUGHLY BEFORE USING. Apply with brush, roll or spray. Application with airless spray equipment requires no thinning and can be done directly from the can.

DIRECTIONS FOR USE: MIX THOROUGHLY BEFORE USING!

For best results apply two coats at 3 mils of wet film per coat allowing the product to flash a minimum of 20 minutes between coats. This will yield a total dry film thickness of approximately 3 mils which is necessary for optimum corrosion protection.

DRY TIME:

Drying times will vary greatly depending on applied film thickness, thinning, air movement, flash time between coats, relative humidity and temperature. *ZERO-RUST®* dries to the touch in 30 minutes and is tack free within one hour with proper application and when dried at 70°F and 50% relative humidity. Do not over apply. Excess film will extend dry times dramatically and waste material with no improvement in corrosion resistance. To insure proper film thickness, measure with a wet film gauge.

THINNING AND CLEANUP:

Recommended thinners – Always use VOC exempt solvents to thin. Reductions up to 20% by volume may be necessary depending on application equipment used.

Cleanup and Disposal – Always use VOC exempt solvent to clean equipment.

PHYSICAL DATA: (Typical for all)

Solids by Weight	60-70%
Solids by Volume	43-55%
Weight per Gallon	11.0 – 12.8 pounds/gallon
Viscosity	75-81 KU
Maximum Coating VOC	250 grams/liter

COVERAGE:

280-300 square feet per gallon at recommended 3 mils dry film thickness.

AVAILABLE SIZES:

ZERO-RUST® is available in 12 oz. Aerosols, Quarts, and Gallons

AMTECO – A Division of Gemini Industries, Inc. – P O BOX 699 – EL RENO, OKLAHOMA 73036 – 800-262-5710