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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

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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.

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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	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.

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.

^[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.

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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.

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).

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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

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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	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.

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.

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9. Physical and chemical properties

AppearanceGray LiquidOdorSolvent

Odor threshold

PH

Not Measured

Melting point / freezing point

Initial boiling point and boiling range

Flash Point

Evaporation rate (Ether = 1)

Flammability (solid, gas)

Not determined

Not Measured

Not Measured

Not Measured

Not Applicable

Upper/lower flammability or explosive limits Lower Explosive Limit: Not Measured

Upper Explosive Limit: Not Measured

Vapor pressure (Pa)Not MeasuredVapor DensityNot Measured

Specific Gravity0.847Solubility in WaterInsolublePartition coefficient n-octanol/water (Log Kow)Not MeasuredAuto-ignition temperatureNot MeasuredDecomposition temperatureNot MeasuredViscosity (cSt)Not MeasuredVOC ContentNot 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.

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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;
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;

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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	0000123-86-4 Butyl acetate		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,	48 hr EC50 crustacea,	ErC50 algae,	
	mg/l	mg/l	mg/l	
Acetone - (67-64-1)	100.00, Pimephales promelas	10.00, Daphnia magna	20.565 (72 hr), Ulva pertusa	

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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 N	larine Pollutant: No;				
14.6. Special precautions for user					
N	lo further information				

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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. A B5 D2B

WHMIS 1988 Classification

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

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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.

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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.

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