

Material Safety Data Sheet

Section 1 □ Chemical Product And Company Identification

Product Name: Zero Rust Aerosols

Product Identification: 28-60SP, 28-61SP, 28-62SP, 28-63SP, 28-67SP, 28-68SP,
28-70SP, 28-71SP, 28-72SP, 28-95SP

Manufactured for: AMTECO INC.
1100 Jefferson St.
P.O. Box 9
Pacific, MO 63069

Emergency Telephone: (800)424-9300 Chemtrec
Information Telephone:(800)297-7325
Fax Telephone: (404)355-5161

Date of Preparation: January 31, 2004

Section 2 □ Composition / Information

CAS No.	Ingredient	Wt% MAX	ACGIH TLV <STEL>	OSHA PEL <STEL>	Vapor Pressure (mm Hg 20°C)
74-98-6	Propane	9	2500 ppm	1000 ppm	760
106-97-8	Butane	4	800 ppm	800 ppm	760
75-28-5	Isobutane	3	NE	NE	760
115-10-6	Dimethyl Ether	5	NE	NE	760
67-64-1	Acetone	20	500 ppm <750 ppm>	1000 ppm	180
110-12-3	Methyl Isoamyl Ketone	13	50 ppm	50 ppm	5
98-56-6	Parachlorobenzotrifluoride	3	NE	NE	5.3
64742-94-5	Solvent Naptha Heavy Aromatic	3	25 ppm <15 ppm>	25 ppm <15 ppm>	5.2
123-86-4	Normal Butyl Acetate	3	150 ppm <200 ppm>	150 ppm <200 ppm>	8.4
127-18-4	Tetrachloroethylene	5	100 ppm	100 ppm	13
107-87-9	Methyl Propyl Ketone	2	200 ppm	200 ppm	26.9

Section 3 □ Hazards Identification

ROUTES OF EXPOSURE: Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment. **EFFECTS OF OVEREXPOSURE:** Irritation of eyes, skin and upper respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death. **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 AGGRAVATED BY EXPOSURE:** None generally recognized. **CANCER INFORMATION:** For complete discussion of toxicology data refer to Section 11.

Section 4 □ First Aid Measures

INHALATION : If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.

SKIN CONTACT: Remove contaminated clothing and launder before reuse. Wash with soap and water.

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes and get medical attention after flushing.

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

Section 5 □ Fire Fighting Measures

FLASH POINT <0 °F

LEL: ND **UEL:** ND

EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemicals, and Foam

SPECIAL EXPOSURE HAZARDS: 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.

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

NFPA RATING: HEALTH 3, FLAMMABILITY 4, REACTIVITY 0

HMS CLASSIFICATION: HEALTH 2, FLAMMABILITY 4, REACTIVITY 0

Section 6 □ Accidental Release Measures

PERSONAL PRECAUTIONARY MEASURES: Avoid inhalation. Use good ventilation. Read entire label before using and follow all label directions.

ENVIRONMENTAL PRECAUTIONARY PROCEDURE FOR CLEANING/ABSORPTION: Dispose of in accordance with applicable Federal, State & Local regulations. Remove ignition sources and work with non-sparking tools. Use oil absorbent materials.

Section 7 □ Handling and Storage

HANDLING: 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.

STORAGE: CATEGORY – NFPA 30B Level 2 Aerosol

Do not store where temperatures may exceed 120°F (48.9°C).

Section 8 □ Exposure Controls/Personal Protection

ENGINEERING CONTROLS: Local Exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits.

RESPIRATORY PROTECTION: 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. **GLOVES:** None required for normal application or aerosol products where a minimal skin contact is expected. For long or repeated contact wear chemical resistant gloves. **SKIN PROTECTION:** Impervious clothes to protect skin. Wash promptly when skin becomes contaminated. **EYES:** Safety glasses with side shields or chemical goggles. **OTHER PERSONAL PROTECTION DATA:** 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.

ZERO RUST AEROSOL

Section 9 □ Physical and Chemical Properties

PHYSICAL STATE: Liquid/Gas **ODOR:** Solvent/Paint **SPECIFIC GRAVITY:** 0.991
DENSITY: 8.26 lb/gal **VAPOR DENSITY (AIR=1)** >1 (Heavier than Air)
EVAPORATION RATE: Slower than ether **SOLUBILITY IN WATER:** Insoluble

Section 10 □ Stability and Reactivity

CHEMICAL STABILITY: Stable **HAZARDOUS POLYMERIZATION:** Will not occur
CONDITIONS TO AVOID: Do not expose to heat or store at temperature above 120°F
MATERIAL TO AVOID: Strong acids. Oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide, and Carbon Dioxide

Section 11 □ Toxicological Information

CHRONIC HEALTH HAZARDS: Prolonged overexposure to solvent ingredients in Section 2 may cause adverse effects of the liver, urinary and blood forming systems. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

TOXICOLOGY DATA (listed if available)

CAS No. Ingredient

67-64-1 Acetone LD 50 RAT 4HR 5800 mg/kg

Section 12 □ Ecological Information

ECOLOGICAL INFORMATION: No data available

Section 13 □ Disposal Considerations

DISPOSAL OF WASTE METHOD: Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Do not incinerate. Depressurize container. Dispose of in accordance with Federal, State, and Local regulations regarding pollution.

U.S. DOT: 49 CFR 172.101 Hazardous Materials Table

Section 14 □ Transport Information

PROPER SHIPPING
NAME:
HAZARD CLASS OR DIVISION: ORM-D
IDENTIFICATION NUMBER: None
PACKING GROUP: None

Consumer Commodity

IATA: List of Dangerous Goods

PROPER SHIPPING NAME: Aerosols, flammable
HAZARD CLASS OR DIVISION: 2.1
IDENTIFICATION NUMBER: UN1950
PACKING GROUP: -

ZERO RUST AEROSOL

Section 15 □ Regulatory Information

U.S. REGULATORY RULES:

SARA SECTION 302: None **SARA 313 CHEMICALS:** Tetrachloroethylene

CALIFORNIA PROPOSITION 65: May contain small amounts.

RCRA STATUS: This material is classified as a hazardous waste.

TSCA CERTIFICATION: All chemicals in this product are listed, or are exempt from listing on the TSCA Inventory.

VOC CONTENT: 65% by wt maximum **MAXIMUM INCREMENTAL REACTIVITY** 1.40 maximum

Section 16 Other Information

ADDITIONAL INFORMATION: This MSDS meets the requirements of 29 CFR 1910.1200.

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 MSDS*****