

MATERIAL SAFETY DATA SHEET

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TOTAL
SOLUTIONS™

GENERAL INFORMATION NUMBER: (414) 354-6417
CHEMTREC: (800) 424-9300

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I - Product Identification

Rust Converter

PRODUCT CODE: 8346

CHEMICAL FORMULATION: Pressurized rust treatment.

HMIS HAZARD IDENTIFICATION SYSTEM: HEALTH: 2 FLAMMABILITY: 4 PHYSICAL HAZARD: 0
HAZARD RATING: 4 - Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

II - Hazardous Ingredients

Values reported as TWA unless noted.

SUBSTANCE	APPROX %	OSHA PEL	ACGIH TLV	EPA 40 CFR:			CAS #
				302	355	372	
Acetone	50.0-60.0	1000 ppm	500 ppm	Y	N	N	67-64-1
Dimethyl Ether	15.0-20.0	N/E	N/E	N	N	N	115-10-6
Isobutane	10.0-15.0	N/E	1000 ppm	N	N	N	75-28-5
Propane	3.0-5.0	1000 ppm	1000 ppm	N	N	N	74-98-6
Isopropanol	3.0-5.0	400 ppm	200 ppm	N	N	Y	67-63-0
Ethylene Glycol	3.0-5.0	N/E	N/E	Y	N	Y	107-21-1
Oxalic Acid	1.0-3.0	1 mg/m ³	1 mg/m ³	N	N	N	144-62-7

Key: PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling level STEL: Short Term Exposure Limit
N/A: Not Applicable N/D: Not Determined N/E: Not Established Y: Yes N: No
302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).
355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).
372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

III - Physical Data

BOILING POINT (°F): 84.2 SPECIFIC GRAVITY (WATER = 1): 0.713
VAPOR PRESSURE (psig): 38-48 @ 70°F VOC CONTENT (% by weight): 35.0-40.0
VAPOR DENSITY (AIR = 1): N/D EVAPORATION RATE (WATER = 1): N/D
SOLUBILITY IN WATER: Complete pH: 0.7-1.7
APPEARANCE AND ODOR: Clear, brown aerosol spray; solvent odor.

IV - Fire and Explosion Hazard Data

FLASH POINT (°F): -58 (estimated) (TEST METHOD): NFPA 30B Rating: 3
FLAMMABLE LIMITS IN AIR (VOLUME %) (Propellant) UPPER: N/D LOWER: N/D
EXTINGUISHING MEDIA: Water fog, alcohol foam, carbon dioxide, dry chemical.
SPECIAL FIRE FIGHTING PROCEDURES: Fire may produce irritating, corrosive and/or toxic gases. In the event of fire and/or explosion do not breathe fumes. Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.
UNUSUAL FIRE AND EXPLOSION HAZARD: At elevated temperatures containers exposed to direct flame or heat contact should be cooled with water to prevent vapor pressure build up. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn.

V - Reactivity Data

STABILITY: Risk of ignition

INCOMPATIBILITY: Bases and reducing agents.

CONDITIONS TO AVOID: Keep away from heat, sparks and open flame. Reacts violently with alkaline material. This product may react with reducing agents. Dropping of containers may cause bursting.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce oxides of carbon.

HAZARDOUS POLYMERIZATION: Will not occur.

VI - Health Hazard Data

ROUTES OF ENTRY **INHALATION:** X **EYE CONTACT:** X **SKIN CONTACT:** X **INGESTION:**
INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS: None

EFFECTS OF OVEREXPOSURE

IF IN EYES: This product causes eye burns. Risk of serious damage to eyes

IF ON SKIN: Causes skin burns.

IF SWALLOWED: Exposure by ingestion of an aerosol is unlikely. Ingestion may produce burns to the lips, oral cavity, upper airway, esophagus and possibly the digestive tract. May cause delayed lung damage.

IF INHALED: Intentional misuse by concentrating and inhaling the product can be harmful or fatal. Causes burns. Irritating to respiratory system. Prolonged inhalation may be harmful.

EMERGENCY AND FIRST AID PROCEDURES

IF IN EYES: Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. If irritation persists, obtain medical attention.

IF ON SKIN: Flush skin with plenty of water for 15 minutes. Remove contaminated clothing and launder separately before reuse. Obtain immediate medical attention.

IF SWALLOWED: Contact physician or poison control center immediately. Rinse mouth with water. Do not induce vomiting unless instructed by a physician or poison control center. Never give anything to an unconscious person.

IF INHALED: Remove person to fresh air. If breathing has stopped, administer artificial respiration. Obtain medical attention if irritation persists.

VII - Spill or Leak Protection

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Contain spill. Ventilate area and remove all sources of ignition. Soak up spilled material with inert absorbent material and place in a properly marked closed container for proper disposal.

WASTE DISPOSAL METHOD: Consult local environmental authorities. Dispose of cans in non-incinerated trash only.

VIII - Special Protection Information

RESPIRATORY PROTECTION: Use with adequate ventilation. If recommended Exposure Limits are exceeded wear a NIOSH approved respirator, following manufacturer's recommendations.

VENTILATION

LOCAL: Recommended

MECHANICAL: Not required

PROTECTIVE GLOVES: Chemical resistant.

EYE PROTECTION: Safety glasses.

OTHER PROTECTIVE EQUIPMENT: None.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a cool, dry place away from heat, sparks or open flame. Do not expose to direct sunlight or store at temperatures above 120°F.

OTHER PRECAUTIONS: Keep out of reach of children. Do not puncture or incinerate container.

IX - Transportation Information (ground transportation only)

DOT ID NUMBER: None

DOT PROPER SHIPPING NAME: Consumer Commodity

DOT CLASS: ORM-D

DOT PACKING GROUP: None

The shipping information listed above applies only to non-bulk (< 119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.

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