

MATERIAL SAFETY DATA SHEET

Section 1: Product & Company Identification

Product Name: Rust Proof Enamel Primer Red Oxide
Product Number (s): 18151

Manufactured By: CRC Industries, Inc. (215) 674-4300
885 Louis Drive, Warminster, PA 18974
24-Hour Emergency Information: CHEMTREC (800) 424-9300

Section 2: Composition/Information on Ingredients

Component	CAS NUMBER	ACGIH TLV	OSHA PEL	OTHER LIMITS	%
Acetone	67-64-1	750 ppm	750 ppm	NE	30-60
Propylene Glycol Methyl Ether Acetate	108-65-6	100 ppm	NE	NE	5-10
Xylene	1330-20-7	100 ppm	100 ppm	NE	1-5
Isobutane	75-28-5	NE	NE	1000 ppm	5-10
Ethylbenzene	100-41-4	100 ppm	100 ppm	NE	< 1
Propane	74-98-6	NE	1000 ppm	NE	7-13
Methyl Isobutyl Ketone	108-10-1	50 ppm	NE	NE	1-5
Toluene	108-88-3	50 ppm	100 ppm	NE	1-5
Ferric Oxide	1309-37-1	5mg/m3	NE	NE	1-5

Section 3: Hazards Identification

Emergency Overview

Appearance & Odor: Red, typical ketone odor.

Danger: Extremely Flammable. Eye and skin irritant. Vapor Harmful. Contents Under Pressure.

Potential Health Effects:

Inhalation: Nasal and respiratory irritation, dizziness, fatigue, headaches, unconsciousness and asphyxiation.
Eyes: Irritation, tearing and blurred vision.
Skin: Irritation and redness.
Ingestion: GI irritation, nausea and vomiting.

Carcinogenicity: OSHA: No IARC: Yes NTP: No
Chronic Overexposure: Reports have associated repeated and prolonged exposure to solvents with brain and central nervous system damage.
Medical Conditions Aggravated by Exposure: Respiratory and skin conditions may be aggravated.

Section 4: First Aid Measures

Inhalation: Remove to fresh air. Give artificial respiration if necessary.
Eyes: Flush with large amounts of water for 15 minutes.

Skin: Remove contaminated clothing and wash area with soap and water.

Ingestion: Call a physician. Do not induce vomiting.

Section 5: Fire-Fighting Measures

Flashpoint:	<0°F	Method:	TCC	LEL:	1.0	UEL:	15.1
Extinguishing Media:	CO ₂ , alcohol foam and dry chemical						
Hazardous Combustion Products:	Thermal: CO, CO ₂ , NOX and various hydrocarbons.						
Fire-fighting Instructions:	Remove containers from fire area if possible. Use self-contained breathing apparatus for fire fighting. Aerosol cans may explode if heated above 120°F.						
NFPA:	Health:	2	Flammability:	4	Reactivity:	1	
HMIS:	Health:	2	Flammability:	4	Reactivity:	1	PPE: B

Section 6: Accidental Release Measures

Spill/Leak Procedures: Usually not a problem with aerosols. Area should be ventilated. Absorbent should be used to pick up excess material. All used and unused product should be disposed of in accordance with federal, state and local regulations.

Section 7: Handling and Storage

Handling Procedures: Store in a cool, dry area. Aerosol cans must be maintained below 120°F to prevent cans from exploding.

Section 8: Exposure Controls/Personal Protection

Engineering Controls: Adequate to prevent accumulation of vapors. Use mechanical means if necessary to maintain levels below the exposure limits. If working in a confined space, follow applicable OSHA regulations.

Respiratory: Use NIOSH/MSHA compliant respirators or self-contained breathing apparatus above exposure limits. Follow OSHA regulations 29 CFR 1910.134.

Protective Clothing/Equipment: Wear chemically protective gloves and safety glasses. Use a splash apron and boots if splashing occurs.

Section 9: Physical & Chemical Properties

Physical State:	Liquid	Appearance & Odor:	Typical ketone odor
Specific Gravity:	< 1 (water = 1)	Boiling Point:	135 °F - 302 °F
Freezing Point:	ND	Vapor Pressure:	ND
Evaporation Rate:	Slower than ether	Vapor Density (air = 1)	Heavier than air
pH:	NA	Solubility:	ND.
Volatile Organic Compounds:%:	42-43	g/L:	ND
		lbs./gal:	ND

Section 10: Stability and Reactivity

Stability:	Stable	Hazardous Polymerization:	No
Chemical Incompatibilities:	Strong oxidizers.		

Materials to Avoid: Strong oxidizers.

Hazardous Decomposition Products: None

Section 11: Toxicological Information

Long-term toxicological studies have not been conducted for this product. See Section 3 of this MSDS for acute symptoms of overexposure and carcinogenicity information.

Section 12: Ecological Information

Ecotoxicity: No data available.

Environmental Fate: No data available for biodegradation.

Section 13: Disposal Considerations

Disposal: This material if discarded may be hazardous waste under U.S. EPA RCRA regulations. All disposal activities must comply with federal, state and local regulations. Contact your local or state environmental agency for specific rules. Do not dump into sewers, on the ground or into any body of water.

Section 14: Transportation Information

Shipping Name: Consumer Commodity

Hazard Class: ORM-D UN Number: NA Packing Group: NA

Label: NA Placard: NA

Special Provisions: NA

Section 15: Regulatory Information

TSCA: All components are either listed under TSCA or are exempt.

SARA Title III: Section 311/312: Acute, Pressure Section 313*: Xylene, Ethylbenzene
Methyl Isobutyl Ketone, Toluene

CERCLA/Superfund (RQ): Mixture

Extremely Hazardous Substances: No

California Prop 65: This product contains chemicals known to the State of California to cause cancer, birth defects and other reproductive harm.

* See section 2 for percentage

Section 16: Additional Information

Prepared By: Adam M. Selisker Date: September 20, 2001

Technical Information: (800) 521-3168 CRC #: 18150

This information is accurate to the best of CRC Industries' knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and directions on the label.

CAS: Chemical Abstract Service

ppm: Parts per Million

TCC: Tag Closed Cup

LEL: Lower Explosive Limit

UEL: Upper Explosive Limit

PPE: Personal Protection Equipment

COC: Cleveland Closed Cup

NA: Not Applicable

ND: Not Determined

NE: Not Established

g/L: grams per Liter

lbs./gal: pounds per gallon

RQ: Reportable Quantity