

I'm not robot  reCAPTCHA

[Continue](#)

MATERIAL SAFETY DATA SHEET

Printed July 2004
 24 Hour Emergency Phone Number: Chemical 800-233-9034
 Date Prepared: May 12, 2004

SECTION 1: PRODUCT IDENTIFICATION
 Product: Rapid Inhibitive Red Oxide Primer
 CAS: 10-520
 Trade Name: Calzatory Metal Roof Paints

SECTION 2: INGREDIENTS

INGREDIENT	CAS NUMBER	% WT.	ACGIH TLV (ppm)	OSHA PEL
HEPTANE	008119-43-4		50 ppm	100 ppm
METHYL ISOBUTYL KETONE	108-16-1		75 ppm	75 ppm
XYLENE	1330-20-7		100 ppm	100 ppm

* Items listed in Section 2 are for the Final Chemical List
 Ingredients not previously classified are proprietary or not listed. Values are estimated concentrations if + greater than - less than. C = approximately, NI = not established, MI = maximum, C = ceiling.

SECTION 3: PHYSICAL DATA
 Boiling Range: 270 - 304 °F
 Solubility in Water: Insoluble
 Vapor Density: Heavier than air
 Volatile by Weight: 21.0 %
 Evaporation Rate: slower than Diethyl Acetate
 Specific Gravity: 1.00
 Appearance: opaque pigmented liquid
 Color: Reddish color

SECTION 4: FIRE AND EXPLOSION HAZARD DATA
 Flash point: 81 °F TCC
 Flammable Limits by Volume in Air at 21 °F: Lower Explosive Limit: 1.18 %
 Upper Explosive Limit: 8.25 %
 Extinguishing media: Foam, carbon dioxide, or chemical fire fighting apparatus
 Unusual fire and explosion hazards: Increase from heat, electrical equipment, sparks, and open flame. Group contains may include when exposed to radiant heat.
 Special Fire Fighting Procedures: Fire fighters should wear self-contained breathing apparatus. Containers exposed to fire should be kept cool with water.

SECTION 5: REACTIVITY DATA
 This product is stable under normal conditions. Avoid exposure to excessive heat and cold.
 Incompatibility: Strong Oxidizers
 Hazardous decomposition products: Thermal decomposition may yield carbon dioxide, hydrogen and formic acid gas.
 Hazardous polymerization cannot occur: Avoid contact with strong acids, cyanides, anhydrides, oxides and organic acids.

Material Safety Data Sheet
Ethyl Alcohol 95%, Denatured
 MSDS # 274.00
 Page 1 of 2
 Scholar Chemistry

Section 1: Product and Company Identification
 Ethyl Alcohol 95%, Denatured
 Synonyms/General Names: Ethanol, Grain alcohol
 Product Use: For educational use only.
 Manufacturer: Columbus Chemical Industries, Inc., Columbus, WI 53025.
 24 Hour Emergency Information Telephone Numbers
 CHEMREC (USA): 800-424-9300 CANUTEC (Canada): 613-424-6666
 Scholar Chemistry, 5100 W. Hazletta Rd., Rochester, NY 14506; (866) 260-6501; www.scholarchemistry.com

Section 2: Hazards Identification
 Class: colorless liquid, alcohol odor
 WARNING! Flammable liquid and moderately toxic by ingestion.
 Flammable liquid, keep away from all ignition sources.
 Target organs: Eyes, Liver, Kidneys, Central Nervous System.
 This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
 HMIS (8 to 4)
 Health: 2
 Environment: 1
 Reactivity: 1

Section 3: Composition / Information on Ingredients
 Ethyl Alcohol (64-17-5), >80%
 Methyl Alcohol (67-56-1), <5%
 Methyl Isobutyl Ketone (108-16-1), <5%
 Ethyl Acetate (141-76-4), <5%
 Light Aliphatic Solvent Naphtha (64742-89-8), <5%
 Water (7732-18-5), <5%.

Section 4: First Aid Measures
 Always seek professional medical attention after first aid measures are provided.
 Eyes: Immediately flush eyes with excess water for 15 minutes, lifting lower and upper eyelids occasionally.
 Skin: Immediately flush skin with excess water for 15 minutes while removing contaminated clothing.
 Ingestion: Call Poison Control immediately. Aspiration hazard. Rinse mouth with cold water. Give victim 1-2 tsp of activated charcoal mixed with 4 oz water.
 Inhalation: Remove to fresh air. If not breathing, give artificial respiration.

Section 5: Fire Fighting Measures
 Class III Flammable Liquid. When heated to decomposition, emits acid fumes.
 Protective equipment and precautions for firefighters: Use foam or dry chemical to extinguish fire.
 Firefighters should wear full fire fighting turn-out gear and respiratory protection (SCBA). Cool container with water spray. Material is not sensitive to mechanical impact. Material is sensitive to static discharge.

Section 6: Accidental Release Measures
 Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Remove all ignition sources and ventilate area. Contain spill with sand or absorbent material and place material in a sealed bag or container for disposal. Wash spill area after pickup is complete. See Section 13 for disposal information.

Section 7: Handling and Storage
 Handling: Use with adequate ventilation and do not breathe dust or vapor. Avoid contact with skin, eyes, or clothing. Wash hands thoroughly after handling.
 Storage: Store in Flammable Area (Red Storage) with other flammable materials and away from any strong oxidizers. Store in a dedicated flammables cabinet. Store in a cool, dry, well-ventilated, locked store room away from incompatible materials.

Section 8: Exposure Controls / Personal Protection
 Use ventilation to keep airborne concentrations below exposure limits. Have approved eyewash facility, safety shower, and fire extinguishers readily available. Wear chemical splash goggles and chemical resistant clothing such as gloves and aprons. Wash hands thoroughly after handling material and before eating or drinking. Use NIOSH-approved respirator with an acid/organic cartridge. Exposure guidelines: Ethyl Alcohol: OSHA PEL: 1000 mg/m³ and ACGIH TLV: 1000 ppm STEL, N/A.

© 2004, Scholar Chemistry. All Rights Reserved. 1/23/2009

Kinetronics Corporation
 4353 Independence Court
 Sarasota, Florida 34234
 Phone 941-951-2432
 Fax 941-955-5992
 Web Site: www.kinetronics.com

Material Safety Data Sheet
 Isopropyl Alcohol

PRODUCT & COMPANY IDENTIFICATION
 In case of emergency call CHEMREC 1-800-424-9300
 Supplier: Kinetronics Corporation, 311 Sarasota Center Blvd., P.O. Box 687, Osprey, Florida 34229-0687
 (941) 377-9935 Fax (941) 377-9938
 CAS Number: 67-63-0
 Synonyms: isopropyl alcohol, sec-propanol, dimethylcarbinol
 Formula: C₃H₈O

TRANSPORTATION DATA
 US Department of Transportation - 49 CFR
 Proper Shipping Name: isopropanol
 UN Number: UN1219
 Hazard Class: 3
 Packing Group: II
 Labels: Flammable liquid

PHYSICAL/CHEMICAL DATA
 Appearance: Clear, colorless liquid
 Odor: Rubbing alcohol
 Boiling Point: 82° C
 Melting Point: -89° C
 Vapor Pressure: 44 @ 25° C (mm Hg)
 Vapor Density (Air = 1): 2.1
 Specific Gravity: 0.79 @ 20° C / 4° C
 Solubility in Water: Miscible in water
 Volatile by Volume: 1.00% @ 21° C
 Evaporation Rate: 2.83 (BuAc = 1)

REACTIVITY DATA
 Stability: Stable
 Incompatibility: Heat, flame, strong oxidizers, acetoaldehyde, acids, chlorine, ethylene oxide, isocyanates
 Hazardous Decomposition Products: Carbon dioxide and carbon monoxide may form when heated to decomposition.
 Conditions to Avoid: Heat, flame, ignition sources and incompatibilities.
 Hazardous Polymerization: Will not occur.

Isopropyl Alcohol: Material Safety Data Sheet

