

# MATERIAL SAFETY DATA SHEET

COMPLIES WITH OSHA'S HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200)

## SECTION I · PRODUCT IDENTIFICATION

**Product Name:** RED INSULATING VARNISH

**Product Number:** 978

**Product Type:** AEROSOL

**Supplier's Name:** Terand Industries, Inc.

**Supplier's Address:** P.O. Box 667770, Pompano Beach, FL 33066

**D.O.T. Hazard Class:** CONSUMER COMMODITY · ORM-D

**Formula:** Proprietary

**Date Prepared:** 05/04/05

**Emergency Phone:** (800) 255-3924

**Information Phone:** (954) 974-5440

**HMIS Rating:**

0-Minimal 1- Slight 2- Moderate

3- Serious 4- Extreme

HEALTH: 1 FIRE: 4 REACTIVITY: 3

**Personal Protection:** B

## SECTION II · INGREDIENTS

CHEMICAL NAME	CAS #	%WT	313/Chem	Skin	Carcinogen	PEL	TWA/TLV
Acetone	67-64-1	20-30	NO	NO	NO	1000 ppm	1000 ppm
Propane	74-98-6	10-20	NO	NO	NO	1000 ppm	1000 ppm
Red iron Oxide Pigment	1309-37-1	05-15	NO	NO	NO	10 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>
n-Butane	106-97-8	05-15	NO	NO	NO	800 ppm	800 ppm
Toluene	108-88-3	05-15	YES	NO	NO	100 ppm	100 ppm
n-Butyl Acetate	123-86-4	05-15	NO	NO	NO	150 ppm	150 ppm
Glycol Ether EP	2807-30-9	01-10	NO	NO	NO	N/E	N/E
Isopropyl Alcohol	67-63-0	01-10	NO	NO	NO	400 ppm	200 ppm
Xylene (mix)	1330-20-7	01-10	YES	NO	NO	100 ppm	100 ppm

## SECTION III · PHYSICAL DATA

Boiling Point: -47° F

pH: N/A

Solubility In Water: Negligible

Appearance/Odor: Dark Red Liquid / Solvent Odor

Vapor Pressure of can (psig @68°F): 40

VOC %: ~ 49.1%

Solids Content: 21.7%

Vapor Density(Air=1): >1

Specific Gravity (H<sub>2</sub>O=1)@75°F: 0.77-0.90

## SECTION IV · FIRE AND EXPLOSION DATA

**Flash Point** (of Concentrate Only): -2°F

**Flammability** (as per USA Flame Projection Test): Extremely-Flammable Spray

**Extinguishing Media:** Foam, CO<sub>2</sub>, Dry Media

**Special Fire Fighting Procedures:** Wear self-contained breathing apparatus & protective clothing. Cool fire exposed containers to prevent rupturing.

**Unusual Fire and Explosion Hazards:** Exposure to temperature above 120° F may cause bursting.

## SECTION V · REACTIVITY DATA

**Stability:** Material Stable.

**Hazardous Polymerization:** Will not occur.

**Incompatibility:** Avoid contact with strong oxidizing agents,

**Hazardous Decomposition Products:** Carbon Dioxide, Carbon Monoxide

## SECTION VI · STORAGE AND HANDLING

**KEEP OUT OF REACH OF CHILDREN.**

For Industrial and Institutional use only.

Store in a cool, dry area away from heat or open flame.

Do not store at temperatures above 120° F.

**NFPA Code 30B Rating:** Level 3 Aerosol.

## SECTION VII · HEALTH AND FIRST AID

**PRIMARY ROUTES OF ENTRY & EFFECTS OF OVER EXPOSURE:**

**Eyes:** May cause irritation and swelling.

**Skin:** Frequent or prolonged contact may cause irritation.

**Inhalation:** Inhalation of mist can cause irritation of nasal and respiratory passages. Abusive or excessive inhalation may cause irritation to the upper respiratory tract, dizziness, nausea and other central nervous system damage. Repeated overexposure can also damage kidneys, lungs, liver, heart, and blood.

**Ingestion:** Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis.

**FIRST AID PROCEDURES:**

**Eyes:** Flush with large amounts of cool running water for at least 15 minutes while holding upper and lower lids open. If irritation persists get medical attention immediately.

**Skin:** Wash with soap and water. If irritation persists seek medical attention.

**Inhalation:** Remove to fresh air. Seek medical attention immediately. If breathing stops give artificial respiration.

**Ingestion:** Do not induce vomiting. Seek medical attention immediately.

## SECTION VIII · SPECIAL PROTECTION DATA

**Respiratory Protection:** None needed for proper use in accordance with label directions. If ventilation is not adequate to reduce vapors below Threshold Limit Value (TLV) levels, use a NIOSH/MSHA approved air-purifying respirator equipped with an organic vapor cartridge.

**Ventilation:** Provide local exhaust to keep concentration of Section II ingredients below acceptable limits.

**Protective Gloves:** None needed for proper use in accordance with label directions. Use chemical resistant gloves if hand contact will be made.

**Eye Protection:** Always wear safety glasses or chemical proof goggles when working with this or any chemical product.

## SECTION IX · SPILL OR LEAK PROTECTION

**STEPS TO BE TAKEN IN CASE OF SPILL OR LEAK:** Allow propellant to evaporate. Maintain local exhaust and adequate ventilation. No smoking. Keep sparks, heat sources and open flame far away from spill or leak. Cover with absorbent material and sweep up. Wash area to prevent slipping. Dispose of soaked absorbent material in accordance with Federal, State and local laws.

**WASTE DISPOSAL METHOD:** Aerosol cans, when emptied and depressurized through normal use, pose no disposal hazard and should be recycled. Consult Federal, State and local authorities for approved procedures.

N/A= NOT APPLICABLE · N/E=NOT ESTABLISHED · N/D=NOT DETERMINED · <=LESS THAN · >=MORE THAN

**NOTICE:** The information contained on this Material Safety Data Sheet is considered accurate as of the date of publication. It is not necessarily all-inclusive nor fully adequate in every circumstance. The suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements. No warranty, express or implied, of merchantability, fitness, accuracy of data, or the results to be obtained from the use thereof is made. The vendor assumes no responsibility for injury or damages resulting from the inappropriate use of this product.