SAFETY DATA SHEET

Randolph Products Company

RED OXIDE TU-COM EPOXY PRIMER -GALLON

Date Printed: 6/23/2015

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1. Product and Company Identification

Product Name   : RED OXIDE TU-COM EPOXY PRIMER -GALLON
Product Code   : W8584-GL
Recommended Use: Please refer to Product Information/Technical Data Sheet.

Company Identification:
Randolph Products Company
33 Haynes Circle
Chicopee, MA 01020

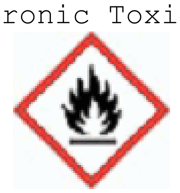
Information Phone: 413-592-4191
Emergency Phone: ChemTel 800-255-3924

2. Hazards Identification

EMERGENCY OVERVIEW

DANGER
Highly Flammable Liquid & Vapor, Category 2
Acute Toxicity, Category 4
Skin Irritation, Category 2
Eye Irritation, Category 2B

Chronic Toxicity, (Toxic to Reproduction) Category 1A
Chronic Toxicity, Aspiration Hazard, Category 1



Potential Health Effects
Eye:
Causes eye irritation.

Skin:

Causes skin irritation.

Ingestion:

May be fatal if swallowed and enters airways.

If swallowed, immediately call a poison control center or physician. Do NOT induce vomiting.

Inhalation:

May cause drowsiness or dizziness.

Chronic (Cancer) Information:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probably, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at leveles greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

OSHA: No component of this product present at leveles greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP: No component of this product present at leveles greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Teratology (Birth Defects) Information:

May damage fertility or the unborn child.

Reproduction Information:

Contains xylene, which may harm the developing fetus if a pregnant woman is overexposed. Xylene may affect the liver,kidneys, G.I., blood.

Aggravation of Pre-Existing Conditions:

Dermititis or other skin conditions.

3. Composition/Information on Ingredients

Component	CAS#	% by Wt.
EPOXY RESIN	25036-25-3	27
*+ XYLENE	1330-20-7	18
ACGIH: 100 PPM TWA		
OSHA: 100 PPM TWA		
TALC	14807-96-6	16
OSHA: 2 MG/M3		
ACGIH: 2 MG/M3		
N-PROPYL ACETATE	109-60-4	12
ACGIH TLV 200 PPM - TWA		

OSHA PEL 200 PPM - TWA		
ACGIH STEL 250 PPM		
OSHA STEL 250 PPM		
1-METHOXY 2-PROPANOL	107-98-2	9
ACGIH: 100 PPM TWA		
OSHA: 100 PPM TWA		
ACGIH: 150 PPM STEL		
OSHA: 150 PPM CEILING		
IRON OXIDE (FE2O3)	1309-37-1	6
ACGIH TLV: 5 MG/M3 TWA (FUMES)		
OSHA PEL: 10 MG/M3 TWA (FUMES)		
SILICA, AMORPHOUS	68855-54-9	4
ACGIH: 10 MG/M3 TWA, TOTAL DUST		
OSHA: 20 MPPCF3 TWA		
PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE	108-65-6	2
SUPPLIER RECOMMENDED: 30 PPM TWA		
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC	64742-95-6	1
OSHA PEL: 500 PPM (2000 MG/M3)		
ACGIH TLV: 200 MG/M3 (AS TOTAL HYDROCARBON VAPOR)		
*+# METHYL ISOBUTYL KETONE	108-10-1	1
ACGIH TLV: 50 PPM TWA		
ACGIH TLV: 75 PPM STEL		
OSHA PEL: 100 PPM TWA		

4. First Aid Measures

Eyes:
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

Skin:
If on skin: wash with plenty of soap & water. If skin irritation occurs: Get Medical advice/attention.

Take off contaminated clothing and wash it before reuse.

Ingestion:
May be fatal if swallowed and enters airways.
If swallowed: Immediately call a poison center/physician.
Do NOT induce vomiting.

Inhalation:
If inhaled: Remove person to fresh air and keep comfortable for breathing.
Call a poison control center/get medical attention if you feel unwell.

Note to Physicians:
Aspiration hazard - do not induce vomiting

5. Fire Fighting Measures

Flammable Properties:
Flash Point: 50 F Method:
Explosive Limits:
Lower explosive limit: 1.0
Upper explosive limit: 13.8

Autoignition Temperature:
INFORMATION NOT AVAILABLE.
Hazardous Combustion Products:
Smoke, soot and carbon dioxide, carbon monoxide.
Extinguishing Media:
Dry chemical, CO2, Halon, Foam
Firefighting Procedures:
Special Fire-Fighting Procedures: Wear self-contained breathing apparatus and protective clothing.
Unusual Fire and Explosion Hazards: High temperatures can cause sealed containers to rupture due to a build up of internal pressure. Cool with water spray. Vapors are heavier than air and can travel some distance away and flash back.
Sensitivity to Static Discharge: Material may accumulate a static charge which could act as an ignition source.
Precautions should be taken when pouring to minimize splash/free fall.

6. Accidental Release Measures

Small Spill:
See Information for Large Spill, below:
Large Spill:
Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Environmental Precautions:
INFORMATION NOT AVAILABLE.
Methods/Materials for Containment and Cleaning Up:
Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/state/federal regulations.

7. Handling and Storage

Handling:
Keep away from heat, sparks, open flames, hot surfaces. NO SMOKING. Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/processing equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Wear protective gloves/eye protection/face protection.

Storage:
Prevent unauthorized access.
Store in a well ventilated place.
Keep container tightly closed.
Keep cool.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits:
SEE SECTION 3 FOR THIS INFORMATION
Engineering Controls:
Ventilation: Good general ventilation (typically 10 air changes per hour) should be used.
Ventilation rates should be matched to conditions.
Ventilation should be explosion proof.
Supplementary local exhaust ventilation, closed systems, or respiratory protection may be needed in special circumstances such as poorly ventilated spaces, spray painting, mechanical generation of dusts, heating, drying, etc.

Personal Protective Equipment

Respiratory Protection:
If engineering controls do not maintain airborne concentrations to an acceptable level, an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 CFR 1152, January 8, 1998. Respirator type: Organic Vapor.

Skin Protection:
Wear impervious gloves to prevent skin contact.
Recommended Decontamination Facilities: eye bath, washing facilities, safety shower.

Eye Protection:

Chemical safety goggles or glasses with side shields.

9. Physical and Chemical Properties

Boiling Point: 215 F

Melting Point:
INFORMATION NOT AVAILABLE.
Freezing Point: -63F

Vapor Pressure:
Information not available for mixture
Vapor Density:
HEAVIER THAN AIR
Solubility in Water:
NEGLIGIBLE
Evaporation Rate: SLOWER THAN ETHER

Specific Gravity: 1.154

Coating VOC: 4.19 lb/gl

Material VOC: 4.19 lb/gl

Odor:
Mild solvent odor.
Appearance:
Liquid.
Partition Coefficient:
INFORMATION NOT AVAILABLE.

10. Stability and Reactivity

Chemical Stability (Conditions to Avoid):
Stable under normal storage/use conditions.
Incompatibility:
Avoid strong oxidizing agents, acids and alkalies.
Hazardous Decomposition Products:
INFORMATION NOT AVAILABLE.
Hazardous Polymerization:
Will not occur under normal conditions.

11. Toxicological Information

Eye Irritation/Damage:
Component 64742-95-6:
Mild eye irritation, Category 2b
Component 1330-20-7:
Mild eye irritation, Category 2B

Skin Irritation/Damage:
Component 64742-95-6:
LD50: >2000 mg/kg, rat. Category 5

Component 1330-20-7:
LD50: 15,433, rabbit. Category 5.
Mild irritation to skin. Category 2.

Acute Oral Toxicity:
Component 64742-95-6:
LD50: >5000 mg/kg, rat. Category 5

Component 1330-20-7:
LD50: 5000 mg/kg, rat. Category 5

Component 108-10-1:
LD50: 2080 mg/kg, rat. Category 4

Component 107-98-2:
LD50: 7200 mg/kg, rat. Category 5

Component 108-65-6:
LD50: no data

Acute Inhalation Toxicity:
Component 64742-95-6:
LC50: 5.6 mg/l, rat. Category 3

Component 1330-20-7:
LD50: 18.8-25.9 mg/L, rat. Category 4

Respiratory/Skin Sensitization:
Component 64742-95-6:
No evidence of respiratory or skin sensitization.

Component 1330-20-7:
No evidence of respiratory or skin sensitization.

Carcinogenicity:
Component 64742-95-6:

Not listed as a carcinogen by IARC, NTP, OSHA or ACGIH

Component 1330-20-7:
Not listed as a carcinogen by IARC, NTP, OSHA or ACGIH.

Reproductive Toxicity:
Component 64742-95-6:
No evidence of human reproductive toxicity.

Component 1330-20-7:
Known human reproductive toxicant; Category 1A

Germ Cell Mutagenicity:
Component 64742-95-6:
No data

Component 1330-20-7:
No data

Aspiration Toxicity:
Component 64742-95-6:
Aspiration Hazard; Category 1

Component 1330-20-7:
Aspiration Hazard; Category 1
Component 108-10-1:
Aspiration Hazard; Category 1
Component 107-98-2:
Not classified as an Aspiration Hazard.
Component 108-65-6:
Not classified as an Aspiration Hazard.

STOT-single exposure
Component 64742-95-6:
No data

Component 1330-20-7:
No data
Component 108-10-1:
No data Component 107-98-2:
No data Component 108-65-6:
No data

STOT-repeated exposure
Component 64742-95-6:
Repeated exposure affected kidneys, blood, adrenal gland.

Component 1330-20-7:
No data
Component 108-10-1:
No data Component 107-98-2:
No data
Component 108-65-6:
No data

Routes of Exposure:
Inhalation of vapors, skin/eye/mucous membrane absorption, ingestion.

12. Ecological Information

Environmental Toxicity:
Component 64742-95-6:
LC50: 10 mg/l (fish); EC50: 4.5 mg/l (daphnia); EC50: 3.1 mg/l (algae)

Component 1330-20-7:
LC50: 8.4 mg/l (fish); EC50: 9.55 mg/l (daphnia); EC50: 3.2 mg/l (algae)
Component 108-10-1:
LC50: 505 mg/l (fish); EC50: 1000 mg/l (daphnia); EC50: 980 mg/l (algae)
Component 108-65-6:
LC50: 161 mg/l (fish); EC50: 373 mg/l (daphnia); EC50: >1000 mg/l (algae)

Persistance & degradability:
Component 64742-95-6:
Readily biodegradable

Component 1330-20-7:
Readily biodegradable

Component 108-10-1:

Readily biodegradable
Component 108-65-6:
Readily biodegradable

Bioaccumulative potential:
Component 64742-95-6:
No Data
Component 1330-20-7:
Not expected to bioaccumulate

Component 108-10-1:
No Data

Component 108-65-6:
No Data

Mobility in soil:
Component 64742-95-6:
No data
Component 1330-20-7:
No data

Component 108-10-1:
No data

Component 108-65-6:
No data

Other Adverse Ecological Effects:
Component 64742-95-6:
Toxic to aquatic life with long lasting results.

Component 1330-20-7:
Toxic to aquatic life with long lasting results.

13. Disposal Considerations

Waste Disposal Method:
Discharge, treatment or disposal is subject to national, state, or local laws. When a decision is made to discard this material as supplied, it meets RCRA's characteristic definition of ignitability. The toxicity characteristic (TC) has not been evaluated by the Toxicity Characteristic Leaching Procedure (TCLP). Federal Regulations may apply to empty container. State and/or local regulations may be different.
Of the methods of disposal currently available, it is recommended that an alternative be selected according to the following order of preference, based upon environmental acceptability: (1) recycle or rework, if feasible; (2) incinerate at an authorized facility; or (3) treat at an acceptable waste treatment facility.
Be sure to contact the appropriate government environmental agencies if further guidance is required.

14. Transport Information

Domestic (Land, DOT), International (Water, IMO/IMDG), International (Air, ICAO)
Road and Rail (ADR/RID), Air (ICAO/IATA), Vessel (IMO/IMDG):
DOT (USA) Shipping Name: Paint
UN/NA ID No: UN1263
Hazard Class: Class 3 (IATA/49CFR)
Packing Group: II

Environmental Hazards:
INFORMATION NOT AVAILABLE.
Marine Pollutant:
Components of this product do not appear on the list of Marine Pollutants (49CFR 172.101)
Special Precautions for User:
INFORMATION NOT AVAILABLE.

15. Regulatory Information

U.S. Federal Regulations:
TSCA: All components of this material are on the
US TSCA 8(b) Inventory or are exempt from listing.

OSHA:
This product is hazardous under OSHA's Hazard Communication Std. Not regarded as a health hazard under current
legislation.

CERCLA: SARA Hazard Category:
INFORMATION NOT AVAILABLE.
Section 313:
"*" Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.
International Regulations:
Canadian WHMIS:
INFORMATION NOT AVAILABLE.
Canadian Environmental Protection Act (CEPA):
INFORMATION NOT AVAILABLE.
EINECS:
INFORMATION NOT AVAILABLE.
State Regulations:
"#" Indicates a chemical known to the state of California to cause cancer, birth defects or other reproductive harm.
"+" Indicates a Clean Air Act Hazardous Air Pollutant (HAP).

Volatile Organic Compounds:
COATING VOC content is being expressed as mass of VOC per unit volume of coating less water and exempt solvents, where applicable.
MATERIAL VOC content is the actual weight of VOC per unit volume.

16. Other Information

Date Revised: 06/23/15
Prepared By: Regulatory Compliance
Information Contact: Regulatory Compliance 413-592-4191 ext 106
Manufacturer Disclaimer:

USERS RESPONSIBILITY: A bulletin such as this cannot be expected to cover all possible individual situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be examined to determine if, or where, precautions - in addition to those described herein - are required. Any health hazard and safety information herein should be passed on to your customers or employees, as the case may be.

DISCLAIMER OF LIABILITY: The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Final determination of suitability of the chemical is the sole responsibility of the user. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or any other nature are made hereunder with respect to the information contained herein or the chemical to which the information refers. These data relate only to the specific material designated herein and do not relate to use in combination with any other material. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.

End of Material Safety Data Sheet