

Date: 05/16/2002

MATERIAL SAFETY DATA SHEET
 PREPARED BY: Environmental, Health and Safety Department
 MSDS PREPARATION DATE: 05/16/2002

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER U. S. COATINGS
 ADDRESS 9200 Latty
 St. Louis, MO 63042
 INFORMATION 314-522-9552
 EMERGENCY 314-239-4703
 PRODUCT DESCRIPTION EPOXYGRI P® 2400 RED BASE
 PRODUCT CODE EG7A032400

SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

1 CRYSTALLINE SILICAS CRYSTALLINE SILICA (QUARTZ OR CRISTOBALITE) CAS# 14808-60-7 OR 14464-46-1
 Pct By Wt: 44.51
 ACGIH TLV-TWA 0.1 MG/M3 (QUARTZ); 0.05 MG/M3 (CRISTOBALITE)
 ACGIH TLV-STEL/C (ABOVE VALUES ARE FOR RESPIRABLE FRACTION OF DUST)
 OSHA PEL-TWA 0.1 MG/M3 (QUARTZ); 0.05 MG/M3 (CRISTOBALITE)
 OSHA PEL-STEL (ABOVE VALUES ARE FOR RESPIRABLE FRACTION OF DUST)
 OSHA PEL-CEILING NE SKIN DESIGNATION NO
 ODOR THRESHOLD NA LD50 (INGESTION) NA
 LC50 (INHALATION) NA AUTOIGNITION TEMP. NAP
 FLASH POINT NAP
 Other Limits: IARC-YES NTP-YES OSHA-NO ACGIH-NO NIOSH-YES

2 EPOXY RESIN REACTION PRODUCTS OF EPICHLOROHYDRIN & BISPHENOL A
 Pct By Wt: 32.00
 ACGIH TLV-TWA NE ACGIH TLV-STEL/C NE
 OSHA PEL-TWA NE OSHA PEL-STEL NE
 OSHA PEL-CEILING NE SKIN DESIGNATION NE
 ODOR THRESHOLD NA LD50 (INGESTION) > 5 G/KG (ORAL-RAT)
 LC50 (INHALATION) NA AUTOIGNITION TEMP. NA
 FLASH POINT 251 C / 485 F
 Other Limits: IARC-NO NTP-NO OSHA-NO ACGIH-NO NIOSH-NO

3 CAS# 68609-97-2 GLYCIDYL ETHER
 Pct By Wt: 10.00 Vapor Pressure: .100 MMHG @ 68F
 ACGIH TLV-TWA NE ACGIH TLV-STEL/C NE
 OSHA PEL-TWA NE OSHA PEL-STEL NE
 OSHA PEL-CEILING NE SKIN DESIGNATION NE
 ODOR THRESHOLD NE LD50 (INGESTION) 19,200 MG/KG (ORAL-RAT)
 LC50 (INHALATION) NE AUTOIGNITION TEMP. NE
 FLASH POINT 150 C / 302 F
 Other Limits: IARC-NO NTP-NO OSHA-NO ACGIH-NO

 This product contains one or more reported carcinogens or suspect/experimental carcinogens which are noted IARC, NTP, OSHA, ACGIH or NIOSH in the Other Limits column.

 This product contains pigments which may become a dust nuisance when removed by abrasive blasting, sanding or grinding. Airborne nuisance particulates have an ACGIH TLV for Total Dust of 10 mg/M3.

 IMPORTANT! This product may be blended with other products prior to use. Read all warnings and precautions on the MSDSs and labels of all products being blended as the combination may contain the hazards of each component.

SECTION 3 - HAZARDS IDENTIFICATION

POTENTIAL ACUTE HEALTH EFFECTS:

EYES: May cause irritation; symptoms include: stinging, tearing, redness and swelling.
 SKIN: May cause moderate irritation, reddening and swelling. May cause skin sensitization.

INHALATION: May cause irritation of the mucous membranes, cough, discomfort, rapid or difficult breathing or shortness of breath. May cause headaches, dizziness and other CNS effects.

INGESTION: Moderately toxic by ingestion.

POTENTIAL CHRONIC HEALTH EFFECTS: - Prolonged and repeated breathing of vapors, spray mist and/or sanding dust over a period of years may cause diseases of the lungs. - Prolonged or repeated exposure may cause asthma and skin sensitization or other allergic response. - Prolonged overexposure to crystalline silica by inhalation may cause delayed lung injury/disease (silicosis). - Chronic overexposure to iron oxide fumes or dusts has been associated with x-ray changes of the lungs, however, it does not result in illness. Changes are due to a benign lung condition called siderosis or iron pigmentation. - Overexposure can cause fibrosis (silicosis): Symptoms can include coughing, difficult breathing, tightness of chest, hemorrhage, and wheezing. - The adverse chronic health

effects associated with crystalline silica include silicosis, cancer, scleroderma and tuberculosis. CARCINOGENICITY: - Contains Crystalline Silica which can cause cancer based on animal data. (Risk of cancer depends on duration and level of exposure to dust from sanding surfaces or spray mist.)

TARGET ORGANS: Overexposure to this material or its components has been suggested as a cause of the following effects in laboratory animals and/or humans, and may aggravate pre-existing disorders of these organs in humans:

- Lung damage
 - Skin damage

SECTION 4 - FIRST AID MEASURES

PRIMARY ROUTE(S) OF ENTRY (X) SKIN (X) BREATHING (X) SWALLOWING

IF IN EYES: Flush eyes with water for at least 15 minutes while holding eyelids apart; Seek medical attention.

IF ON SKIN: Remove contaminated clothing and flush contaminated skin with large amounts of water. If skin is damaged or if symptoms persist seek medical attention. Launder clothing before reuse.

IF INHALED: If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; Keep person warm and quiet. If individual is not breathing, begin artificial respiration. If breathing is difficult, administer oxygen.

IF SWALLOWED: DO NOT induce vomiting unless directed to do so by medical personnel. Aspiration of material into lungs can cause chemical pneumonitis which may be fatal. If individual is drowsy or unconscious, place on their side with head down. Seek medical attention. If possible, do not leave individual unattended.

SECTION 5 - FIRE FIGHTING MEASURES

FIRE AND EXPLOSIVE PROPERTIES OF THE CHEMICAL: (Unless otherwise noted, data are derived from ingredients existing in this formula at concentrations of 1% by weight or greater, i.e., the flashpoint given is the lowest flashpoint of the ingredients listed in section 2.)

Flashpoint 302.0 F (150.0 C)

Explosion Level Low - -N/A

High - -N/A

Flammability Limits Lower - -N/A

Higher - -N/A

Auto-ignition Temperature -N/A or

EXTINGUISHING MEDIA: Use carbon dioxide or dry chemical for small fires; alcohol-type aqueous film-forming foam or water spray for large fires. Water may be ineffective but should be used to cool fire-exposed structures and vessels.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep away from heat, sparks, and flame. Do not smoke. Extinguish all pilot lights and turn off all sources of ignition, including heaters, fans and other non-explosion proof electrical equipment, during use and until all vapors are gone. Vapors may ignite explosively. Vapors may spread long distances and beyond closed doors. Prevent build up of vapors by maintaining a continuous flow of fresh air.

FIRE-FIGHTING PROCEDURES AND EQUIPMENT: Self-contained breathing apparatus with full facepiece operated in pressure-demand or other positive pressure mode. In case of fire, use Dry chemical, Foam, CO2 or other approved method for treating a Class B fire. Summon professional firefighters. During a fire, toxic gases and smoke are irritants present from decomposition/combustion. Closed container may explode when exposed to extreme heat.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

CLEAN-UP:

SMALL SPILL: Absorb liquid on inert material such as paper, vermiculite, floor absorbent, and transfer to hood.

LARGE SPILL: Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, contain area of spill to prevent spreading, pump liquid to salvage tank. Remaining liquid may be absorbed with inert material such as sand, clay, earth, or floor absorbent, and shoveled into containers, with non-sparking tools. Prevent run-off to sewers, streams, or other bodies of water. If run-off occurs, notify the proper authorities as required that a spill has occurred.

SECTION 7 - HANDLING AND STORAGE

HANDLING: SENSITIVITY TO STATIC DISCHARGE - Grounding/Bonding required

STORAGE: Keep container tight and upright to prevent leakage. Keep container closed when not in use. Do not store above 49 C/120 F. Do not transfer contents to bottles or unlabeled containers. Protect from freezing. Containers of this material may be hazardous when emptied because they retain product residues (vapor, liquid, and/or solid). When empty, may contain explosive vapors. Do not cut, puncture or weld on or near this container. All hazard precautions given in this data sheet must be observed for empty containers.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

RESPIRATORY PROTECTION/VENTILATION: Use only with adequate ventilation. Maintain continuous flow of fresh air. Do not breathe vapors, spray mists, or sanding dusts. Use

air purifying respirators fitted with organic vapor/HEPA cartridges only if air monitoring of the work area demonstrates solvent and particulate levels do not exceed the respirator Maximum Use Concentration. Use only properly fitted NIOSH approved respirators. Follow respirator manufacturer's directions for use. Engineering or administrative controls should be implemented to reduce exposure. Paint spray booths, local exhaust, and general exhaust systems are advisable to minimize exposure.

PERSONAL PROTECTIVE EQUIPMENT: Use protective equipment to prevent contact with eyes, skin, or clothing. Use solvent resistant safety eyewear with splash guards. Protective garments such as nylon or Tyvek(R) coveralls typically used to protect from light overspray, splatters, etc. Saranex 23-P(R) coveralls recommended for messy applications. Nitrile or natural rubber gloves typically used to protect from minor contact. For prolonged contact, neoprene gloves are better and butyl are best.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical Appearance	: -N/A
Odor	: -N/A
Physical State	: -N/A
pH	: -N/A
Vapor Density	: -N/A
Boiling Range	: Lower - 424.0 F 217.7 C Higher - -N/A
Freezing Point	: -N/A °F
Melting Point	: -N/A °F
Water Solubility	: -N/A
Specific Gravity	: 1.595
Formula Weight per Volume	: 13.2762 LB/GL
VOC	: .000 lbs./gal. or 0 g/l
Evaporation Rate	: .000 (n-Butyl Acetate = 1)
Viscosity	: -N/A
% Volatile by Weight	: .0000
% Volatile by Volume	: .0000
Coeff of Water-Oil Distribution	: -N/A

SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID AND INCOMPATIBILITIES: Acids, Performic acid, Hydrofluoric acid, Strong bases, Bromine pentafluoride, Calcium hypochlorite, Hydrazine, Oxidizing agents, Aliphatic amines.

HAZARDOUS DECOMPOSITION PRODUCTS (Including Thermal Decomposition): Carbon dioxide and carbon monoxide, Phenol and various phenolic compounds.

POLYMERIZATION: - Will NOT occur. - Will not occur by itself, but masses of more than one pound of product plus an aliphatic amine will cause irreversible polymerization with considerable heat build-up.

STABILITY: - Stable under ordinary conditions of use and storage.

SECTION 11 - TOXICOLOGICAL INFORMATION

No additional toxicological data available. Please refer to Sections 2 & 3.

SECTION 12 - ECOLOGICAL INFORMATION

No ecological data available for this product.

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations. Do not incinerate closed containers.

SECTION 14 - TRANSPORT INFORMATION

Not Regulated by DOT

SECTION 15 - REGULATORY INFORMATION

FEDERAL REGULATIONS:

SARA 313 INFORMATION This product contains NONE of the substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

STATE REGULATIONS: PER CALIFORNIA'S PROPOSITION 65 WARNING: This product contains chemicals known to the State of California to cause cancer.

SECTION 16 - OTHER INFORMATION

FOR INDUSTRIAL USE ONLY: This product is for use by professional, trained personnel using proper equipment, and is not intended for sale to, or use by, the general public.

WARRANTY: Any recommendation of U.S. Coatings contained herein covering use, utilization, chemical or physical properties and other qualities of the products sold is believed reliable; however, U.S. Coatings makes no warranty or representation with respect

thereto. Use or application of any U.S. Coatings product is at the discretion of the Buyer without liability or obligation whatsoever of U.S. Coatings.

 THE INFORMATION CONTAINED HEREIN IS INFORMATION RECEIVED FROM OUR RAW MATERIAL SUPPLIERS AND OTHER SOURCES AND IS BELIEVED TO BE RELIABLE. THIS DATA IS NOT TO BE TAKEN AS A WARRANTY OR REPRESENTATION FOR WHICH U.S. COATINGS ASSUMES LEGAL RESPONSIBILITY.