

Date: 01/03/2002

MATERIAL SAFETY DATA SHEET
 PREPARED BY: Environmental, Health and Safety Department
 MSDS PREPARATION DATE: 01/03/2002

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER U.S. COATINGS
 ADDRESS 9291 Watson Industrial Park
 St. Louis, MO 63126
 314-522-9552
 314-239-4703
 INFORMATION
 EMERGENCY
 PRODUCT DESCRIPTION EPOXYGRI® 2010 6A04 BEIGE
 PRODUCT CODE EG6A042010

SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

1 EPOXY RESIN BISPHENOL-A BASED EPOXY RESIN

Pct By Wt: 26.00 LEL: 1.2
 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 (RAT)
 LC50 (INHALATION) NA AUTOIGNITION TEMP. NA
 FLASH POINT 4 C / 40 F
 Other Limits: IARC-NO NTP-NO OSHA-NO ACGIH-NO NIOSH-NO

2 DIMETHYL BENZENE CAS# 1330-20-7 XYLENE

Pct By Wt: 17.00 Vapor Pressure: 5.100 MMHG @ 68F LEL: 1.1
 ACGIH TLV-TWA 100 PPM ACGIH TLV-STEL/C 150 PPM
 OSHA PEL-TWA 100 PPM OSHA PEL-STEL 150 PPM
 OSHA PEL-CEILING NE SKIN DESIGNATION NO
 ODOR THRESHOLD 0.05 PPB LD50 (INGESTION) 4.3 G/KG (ORAL-RAT)
 LC50 (INHALATION) 5000 PPM/4H (RAT) AUTOIGNITION TEMP. 530 C / 986 F
 FLASH POINT 27 C / 80 F
 Other Limits: NTP-NO IARC-NO ACGIH-NO OSHA-NO

3 EPOXY RESIN REACTION PRODUCTS OF EPICHLOROHYDRIN & BISPHENOL A

Pct By Wt: 11.00
 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

4 METHYL BENZENE CAS# 108-88-3 TOLUENE TOLUOL

Pct By Wt: 9.00 Vapor Pressure: 22.000 MMHG @ 68F LEL: 1.2
 ACGIH TLV-TWA 50 PPM ACGIH TLV-STEL/C NE
 OSHA PEL-TWA 100 PPM OSHA PEL-STEL 150 PPM
 OSHA PEL-CEILING 300 PPM SKIN DESIGNATION NO
 ODOR THRESHOLD 8.0 PPM LD50 (INGESTION) 5 G/KG (ORAL-RAT)
 LC50 (INHALATION) 5320 PPM/8H (MOUSE) AUTOIGNITION TEMP. 480 C / 896 F
 FLASH POINT 7.5 C / 45 F
 Other Limits: IARC-NO NTP-NO OSHA-NO ACGIH-NO NIOSH-NO

5 2-HEPTANONE CAS# 110-43-0 METHYL N-AMYL KETONE

Pct By Wt: 7.00 Vapor Pressure: 2.140 MMHG @ 68F LEL: 1.1
 ACGIH TLV-TWA 50 PPM ACGIH TLV-STEL/C NE
 OSHA PEL-TWA 100 PPM OSHA PEL-STEL NE
 OSHA PEL-CEILING NE SKIN DESIGNATION NE
 ODOR THRESHOLD NA LD50 (INGESTION) 1.7 G/KG (ORAL-RAT)
 LC50 (INHALATION) NA AUTOIGNITION TEMP. 533 C / 991 F
 FLASH POINT 39 C / 102 F
 Other Limits: IARC-NO NTP-NO OSHA-NO ACGIH-NO NIOSH-NO

6 PHENYLETHANE CAS# 100-41-4 ETHYL BENZENE

Pct By Wt: 4.34 Vapor Pressure: 10.000 MMHG @ 68F LEL: 1.2
 ACGIH TLV-TWA 100 PPM ACGIH TLV-STEL/C 125 PPM
 OSHA PEL-TWA 100 PPM OSHA PEL-STEL 125 PPM
 OSHA PEL-CEILING NE SKIN DESIGNATION NO
 ODOR THRESHOLD NA LD50 (INGESTION) 3500 MG/KG (ORAL-RAT)
 LC50 (INHALATION) 50/G/M3/2H AUTOIGNITION TEMP. 468 C / 810 F
 FLASH POINT 15 C / 59 F
 Other Limits: IARC-YES NTP-NO OSHA-NO ACGIH-NO NIOSH-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 one or more Hazardous Air Pollutants (HAPs) which are regulated under Section 112 of the Clean Air Act.

This product contains one or more reported mutagens or suspect/experimental mutagens.

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.

This product contains one or more reported teratogens or suspect/experimental teratogens.

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 moderate irritation, redness, tearing, and blurred vision. Can cause severe injury -- damage reversible. May cause burns.

SKIN: Prolonged or repeated contact can cause moderate irritation, defatting, and dermatitis. Material is readily absorbed through the skin in toxic amounts. May be a weak sensitizer. Can cause allergic skin reaction in certain individuals. Persons with pre-existing skin disorders may be more susceptible to the effects of this material.

INHALATION: Can cause nasal and respiratory tract irritation. Can cause CNS effects including fatigue, weakness, headache, dizziness, nausea, vomiting, unconsciousness, coma, respiratory failure and death. Prolonged exposure can cause hearing impairment.

INGESTION: Slightly toxic by ingestion. Can cause irritation of the digestive tract, nausea, vomiting and diarrhea. May cause signs of nervous system depression including drowsiness, dizziness, loss of coordination, fatigue, headache, nausea and vomiting. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.

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. - 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. - Reports have associated repeated and prolonged occupational overexposure to solvents with brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal. - Ethylbenzene has been shown to cause cancer in laboratory animals. The relevance of this finding to humans is uncertain. IARC has classified ethylbenzene as a possible human carcinogen.

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:

- Anemia
- Blood disorders
- Cardiac abnormality
- Eye damage
- Kidney damage
- Liver abnormalities
- Lung damage
- Menstrual and fertility disorders
- Skin damage
- Spleen damage
- Respiratory system
- Central nervous system (CNS)
- Peripheral nervous system (PNS)

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,

