

MATERIAL SAFETY DATA SHEET  
PREPARED BY: Environmental, Health and Safety Department

## SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER U.S. COATINGS  
ADDRESS 9291 Watson Industrial Park  
St. Louis, MO 63126  
INFORMATION 314-522-9552  
EMERGENCY 314-239-4703  
PRODUCT DESCRIPTION GRIPLINE 6100 BASE  
PRODUCT CODE GL6100

## SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

## 1 EPOXY RESIN REACTION PRODUCTS OF EPICHLOROHYDRIN &amp; BISPHENOL A

Pct By Wt: 26.00  
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

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

Pct By Wt: 14.00 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

## 3 EPOXY RESIN BISPHENOL-A BASED EPOXY RESIN

Pct By Wt: 7.00 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

## 4 2-BUTANONE CAS# 78-93-3 METHYL ETHYL KETONE

Pct By Wt: 4.00 Vapor Pressure: 70.000 MMHG @ 68F LEL: 1.8  
ACGIH TLV-TWA 200 PPM ACGIH TLV-STEL/C 300 PPM  
OSHA PEL-TWA 200 PPM OSHA PEL-STEL 300 PPM  
OSHA PEL-CEILING NE SKIN DESIGNATION NO  
ODOR THRESHOLD 2.0 PPM LD50 (INGESTION) 2.7 G/KG (ORAL-RAT)  
LC50 (INHALATION) 23.5 G/M3/8H (IHL-RAT) AUTOIGNITION TEMP. 516 C / 960 F  
FLASH POINT -6 C / 21 F  
Other Limits: IARC-NO NTP-NO OSHA-NO ACGIH-NO NIOSH-NO

## 5 CAS# 28064-14-4 BISPHENOL F EPOXY RESIN

Pct By Wt: 4.00  
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) 4 G/KG (ORAL-RABBIT)  
LC50 (INHALATION) 6 G/KG (RABBIT) AUTOIGNITION TEMP. NA  
FLASH POINT 250 C / 482 F SETA FLASH-CLOSED CUP  
Other Limits: IARC-NO NTP-NO OSHA-NO ACGIH-NO NIOSH-NO

## 6 PHENYLETHANE CAS# 100-41-4 ETHYL BENZENE

Pct By Wt: 0.10 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.

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.

INHALATION: May cause irritation of the mucous membranes, cough, discomfort, rapid or difficult breathing or shortness of breath. Can cause CNS effects including fatigue, weakness, headache, dizziness, nausea, vomiting, unconsciousness, coma, respiratory failure and death.

INGESTION: Slightly toxic by ingestion. Can cause irritation of the digestive tract, nausea, vomiting and diarrhea. 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. - Prolonged overexposure to crystalline silica by inhalation may cause delayed lung injury/disease (silicosis). - 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. - Overexposure can cause fibrosis (silicosis): Symptoms can include coughing, difficulty breathing, tightness of chest, hemorrhage, and wheezing. - The adverse chronic health effects associated with crystalline silica include silicosis, cancer, scleroderma and tuberculosis. CARCINOGENICITY: - 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 existing disorders of these organs in humans:

- Brain damage
- Cardiac abnormality
- Eye damage
- Kidney damage
- Liver abnormalities
- Lung damage
- 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,

