

MATERIAL SAFETY DATA SHEET  
PREPARED BY: Environmental, Health and Safety Department  
MSDS PREPARATION DATE: 08/01/2001

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  
TRADE NAME MASTICGRIP 2500 EPOXY PRIMER BASE  
PRODUCT CODE MG1GRA2500  
HMIS(R) Health= 2\*, Flammability= 3, Reactivity= 0

SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

1 EPOXY RESIN REACTION PRODUCTS OF EPICHLOROHYDRIN & BISPHENOL A

Pct By Wt: 42.00  
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 CRYSTALLINE SILICAS CRYSTALLINE SILICA (QUARTZ OR CRISTOBALITE) CAS# 14808-60-7 OR 14464-46-1

Pct By Wt: 37.87  
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

3 DIMETHYL BENZENE CAS# 1330-20-7 XYLENE

Pct By Wt: 7.00 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 OSHA-NO ACGIH-NO

4 CAS# 64742-95-6 AROMATIC PETROLEUM DISTILLATES AROMATIC HYDROCARBONS

Pct By Wt: 3.00 Vapor Pressure: 3.000 MMHG @ 68F LEL: .6  
ACGIH TLV-TWA 100 PPM (RECOMMENDED BY SUPPLIER)  
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) 4.7 G/KG (ORAL - RAT) LC50 (INHALATION) >3670 PPM / 8H (RAT)  
AUTOIGNITION TEMP. 465 C / 869 F FLASH POINT 38 C / 100 F  
Other Limits: IARC-NO NTP-NO OSHA-NO ACGIH-NO NIOSH-NO

5 PHENYLETHANE CAS# 100-41-4 ETHYL BENZENE

Pct By Wt: 1.68 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

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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.  
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This product contains one or more Hazardous Air Pollutants (HAPs) which are regulated under Section 112 of the Clean Air Act.  
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This product contains one or more reported mutagens or suspect/experimental mutagens.  
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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.  
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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.  
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SECTION 3 - HAZARDS IDENTIFICATION

POTENTIAL ACUTE HEALTH EFFECTS:

EYES: May cause moderate irritation, redness, tearing, and blurred vision. May cause burns.  
SKIN: Prolonged or repeated contact can cause moderate irritation, defatting, and dermatitis. Prolonged contact may result in chemical burns and permanent damage. 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: 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. Prolonged exposure can cause hearing impairment.  
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: - Contains Crystalline Silica which can cause cancer based on animal data. (Risk of cancer depends on duration and level of



## SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID AND INCOMPATIBILITIES: Acids, Hydrofluoric acid, Aluminum reacts with water, acids, or alkalis to form combustible, hydrogen gas and heat, Strong bases, Caustics, Halogenated hydrocarbons, Oxidizing agents, Aliphatic amines.

HAZARDOUS DECOMPOSITION PRODUCTS (Including Thermal Decomposition): Carbon dioxide and carbon monoxide, Aluminum oxide, Various hydrocarbons, Dense smoke, 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

DOT Hazard Class:	3	DOT Packing Group:	III
DOT Label:	Flammable Liquid	DOT Shipping Name:	Paint
DOT Placard:	Flammable	UN/NA Number:	1263

## SECTION 15 - REGULATORY INFORMATION

## FEDERAL REGULATIONS:

SARA 313 INFORMATION This product contains the following 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:

ETHYL BENZENE CAS# 100-41-4 PCT BY WT: 1.6800

XYLENE CAS# 1330-20-7 PCT BY WT: 6.8710

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.

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