

Date: 09/06/2001

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
TRADE NAME	UREGRIP® 3300 BASE
PRODUCT CODE	UG3300BASE

SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

1 BUTYL ETHANOATE CAS# 123-86-4 N-BUTYL ACETATE
Pct By Wt: 13.00 Vapor Pressure: 6.300 MMHG @ 68F LEL: 1.7
ACGIH TLV-TWA 150 PPM (PROPOSED) ACGIH TLV-STEL/C 200 PPM (PROPOSED)
OSHA PEL-TWA 150 PPM OSHA PEL-STEL 200 PPM
OSHA PEL-CEILING NE SKIN DESIGNATION NO
ODOR THRESHOLD NA LD50 (INGESTION) 14.0 G/KG (ORAL-RAT)
LC50 (INHALATION) 2000 PPM/4H (RAT) AUTOIGNITION TEMP. 370 C / 698 F
FLASH POINT 26 C / 78 F
Other Limits: IARC-NO NTP-NO OSHA-NO ACGIH-NO NIOSH-NO

2 CAS# 64742-95-6 AROMATIC PETROLEUM DISTILLATES AROMATIC HYDROCARBONS
Pct By Wt: 7.00 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

3 CAS# 540-88-5 TERT BUTYL ACETATE
Pct By Wt: 7.00 LEL: 1.3
ACGIH TLV-TWA 200 PPM ACGIH TLV-STEL/C NE
OSHA PEL-TWA 200 PPM OSHA PEL-STEL NE
OSHA PEL-CEILING NE SKIN DESIGNATION NE
ODOR THRESHOLD NE LD50 (INGESTION) NE
LC50 (INHALATION) NA AUTOIGNITION TEMP. 518 C/964 F
FLASH POINT 16 C/ 60 F
Other Limits: IARC-NO NTP-NO OSHA-NO ACGIH-NO

4 CAS# 85-68-7 BUTYL BENZYL PHTHALATE
Pct By Wt: 5.00
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) 20,400 MG/KG (ORAL-RAT)
LC50 (INHALATION) NA AUTOIGNITION TEMP. NA
FLASH POINT 197 C/390 F
Other Limits: IARC-NO NTP-NO OSHA-NO ACGIH-NO

5 DIMETHYL BENZENE CAS# 1330-20-7 XYLENE
Pct By Wt: 2.00 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

6 2-HEPTANONE CAS# 110-43-0 METHYL N-AMYL KETONE
Pct By Wt: 1.00 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

7 PHENYLETHANE CAS# 100-41-4 ETHYL BENZENE
Pct By Wt: 0.34 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.

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. 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. 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. Mildly toxic by inhalation. Prolonged exposure can cause hearing impairment.

INGESTION: Moderately 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. - Repeated and/or prolonged exposure may result in adverse respiratory effects, such as cough, tightness of chest or shortness of breath. Effects from inhalation of vapors may be delayed. - 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 pre-existing disorders of these organs in humans: Reproductive system abnormalities, Anemia, Blood disorders, Brain damage, Cardiac abnormality, Eye damage, Kidney damage, Liver abnormalities, Lung damage, Menstrual and fertility disorders, Skin 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. Give at least 3-4 glasses of water but do not induce vomiting. Do not give anything by mouth to an unconscious or convulsing person. Seek medical attention.

