

GLOSS URETHANE, WB

MANUFACTURER: SIERRA CORP/TK PRODUCTS EMERGENCY PHONE: 1-800-424-9300
 ADDRESS : 11400 WEST 47TH STREET INFORMATION PHONE: (952)938-7223
 MINNETONKA, MN 55343

DATE PRINTED : 11/4/2009 NAME OF PREPARER : Safety Director
 REVISION DATE : 05/26/09

===== SECTION 1 - PRODUCT IDENTIFICATION =====

PRODUCT NAME: GLOSS URETHANE, WB HMIS CODES: H F R P
 PRODUCT CODE: TK-1900 2 0 0 E

===== SECTION 2 - COMPOSITION/INGREDIENT INFORMATION =====

COMPONENT	CAS NUMBER	WEIGHT PERCENT	EXPOSURE LIMITS		
			OSHA PEL	ACGIH TLV	OTHER
+* N-Methyl-2-Pyrrolidone	872-50-4	5.2			NOT ESTABLISHED
Dipropylene Glycol Monomethyl Ether	34590-94-8	1-10			
			100 PPM	100 PPM	150 PPM STEL
Dipropylene Glycol N-Butyl Ether	29911-28-2	1-10			
					NOT ESTABLISHED
+ 2-Butoxyethanol	111-76-2	1.1			
			25 PPM	25 PPM	

* Chemical(s) that are chronic health hazards. Refer to section 3 for further information.
 + Toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

===== SECTION 3 - HEALTH HAZARDS IDENTIFICATION =====

PRIMARY ROUTES OF EXPOSURE:
 Skin contact.

EFFECTS OF ACUTE EXPOSURE:
EYES: Direct contact with eyes may cause irritation.
SKIN: Prolonged or repeated contact may cause irritation. 2-Butoxyethanol may be absorbed through skin and produce toxic effects similar to those resulting from inhalation exposure.
INHALATION: Inhalation of vapor or mist can cause irritation of nose, throat and lungs and lead to headaches and nausea.
INGESTION: Not an anticipated route of exposure. Small amounts are not expected to be harmful.

CHRONIC HEALTH EFFECTS:
 Although some components may indicate chronic exposure effects, no effects are anticipated under normal use conditions due to the relatively low proportion in the total mixture.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
 No known effects on other illnesses.

===== SECTION 4 - FIRST AID MEASURES =====

EYES: Flush with large amounts of water for 15 minutes, lifting upper and lower eyelids. If irritation persists seek medical attention.

SKIN CONTACT: Wash contaminated area with soap and water. Remove and launder contaminated clothing.

INGESTION: If a large amount is ingested, give water or milk and induce vomiting. Seek medical attention.

INHALATION: Remove victim to fresh air and provide oxygen if breathing is difficult. If breathing has stopped administer artificial respiration. Seek medical attention if condition persists.

===== SECTION 5 - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT: Greater than 200 F **METHOD USED:** TCC

FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 1.10 UPPER: 14.0

EXTINGUISHING MEDIA:
 This material will not burn in its liquid state unless heated above its flash point. Dried films may burn and can be extinguished by water spray, foam, dry chemical or carbon dioxide.

SPECIAL FIREFIGHTING PROCEDURES:
 Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment. Isolate danger area, keep unauthorized personnel out.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
 There is the possibility of pressure buildup in closed containers when heated. Water spray may be used to cool these containers.

===== SECTION 6 - ACCIDENTAL RELEASE MEASURES =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Do not let uncured spilled or leaking material enter watercourse. May be toxic to aquatic life. Absorb with oil-dri or similar inert material. Sweep or scrape up and containerize. Rinse affected area thoroughly with water. Wear appropriate protective equipment.

===== SECTION 7 - HANDLING AND STORAGE =====

HANDLING INFORMATION:

Employees who come in contact with this material must be trained in accordance to 1910.1200 of the Hazard Communicatin Standard. Wear chemical resistant gloves and protective clothing to minimize contact. The use of respiratory protection is advised when spraying because of mist and dust overspray.

STORAGE INFORMATION:

Keep from freezing; material may coagulate. The minimum recommended storage temperature is 34F/1C, the maximum recommended storage temperature is 120F/49C. Keep away from incompatable materials (see section 10). Keep containers tightly closed. It is advised that material be used within 1 year of manufacture, rotate stock.

OTHER PRECAUTIONS:

All empty containers should be disposed of in an evironmentally safe manner in accordance with all governmental regulations.

===== SECTION 8 - CONTROL MEASURES/PERSONAL PROTECTION =====

RESPIRATORY PROTECTION:

No special requirements under normal use conditions. In confined areas, or ares with poor ventilation, engineering controls should be used to minimize exposure. Use NIOSH/MSHA approved respirator if conditions warrant.

VENTILATION:

General room ventilation is adequate.

PROTECTIVE GLOVES:

Prevent prolonged or repeated contact by wearing chemical resistant gloves and other appropriate protective clothing. Launder contaminated clothing before reuse.

EYE PROTECTION:

Wear safety glasses to reduce eye contact potential. Chemical safety goggles (ANSI Z87.1 or approved equivalent) are appropriate if splashing is likely. Eye washes must be available where eye contact can occur.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

A source of clean water should be available for flushing eyes and skin. Showers should be available if larger spills are possible.

WORK/HYGIENIC PRACTICES:

Efforts should be made to minimize contact and spills. Always wash hands before eating, drinking, or smoking. Clean up spills promptly. Follow OSHA and company guidlines.

===== SECTION 9 - PHYSICAL/CHEMICAL PROPERTIES =====

PHYSICAL STATE: Liquid	COLOR: Various colors
ODOR: Amine or ammonia odor	SOLUBILITY IN WATER: Dilutable
SPECIFIC GRAVITY (H2O=1): 1.	VAPOR DENSITY: Heavier than air.
BOILING RANGE:	EVAPORATION RATE: Slower than nBuAc
COATING V.O.C.: 374 g/l (3.12 lb/gl)	

===== SECTION 10 - STABILITY/REACTIVITY DATA =====

STABILITY:

Stable under normal conditions and handling.

CONDITIONS TO AVOID:

None known

INCOMPATIBILITY (MATERIALS TO AVOID):

None known. Materials which are not compatable with water or ordinary organics will not be compatable with this material.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

Combustion may liberate toxic byproducts such as carbon dioxide, and carbon monoxide, various oxides of carbon and nitrogen. Thermal decomposition may liberate acrylic monomers and ammonia.

HAZARDOUS POLYMERIZATION:

Will not occur.

===== SECTION 11 - TOXICOLOGICAL INFORMATION =====

SENSITIZATION:

None known.

CARCINOGENICITY:

There is no data available to indicate any components present at greater than 0.1% may present a carcinogenic hazard.

REPRODUCTIVE TOXICITY:

There is no data available to indicate any components present at greater than 0.1% may present reproductive toxicity.

TERATOGENICITY (BIRTH DEFECTS):

There is no data available to indicate any components present at greater than 0.1% may cause birth defects.

MUTAGENICITY:

Yes. 2-Butoxyethanol may cause blood disorders based on animal data.

===== **SECTION 12 - ECOLOGICAL INFORMATION** =====

ENVIRONMENTAL DATA:

Contains ammonia or amines which may be toxic to aquatic life.

===== **SECTION 13 - DISPOSAL CONSIDERATIONS** =====

This product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261, however, state and local regulations may be more restrictive. Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. Incinerate liquid and contaminated solids in accordance with local, state, and federal regulations.

===== **SECTION 14 - REGULATORY INFORMATION** =====

SHIPPING NAME:

Not regulated.

All ingredients of this product are listed, or are excluded from listing, on the US Toxic Substances Control Act (TSCA) chemical substance inventory.

This product does contain a chemical(s) subject to the reporting requirements of SARA Title III, Section 313 (40CFR 372). See section 2.

STATE SPECIFIC REQUIREMENTS:

This product does not contain a chemical known to the state of California to cause cancer, birth defects or reproductive harm, subject to the requirements of California Proposition 65.

STATE LISTED COMPONENTS

CAS NUMBER

STATE CODE

2-Butoxyethanol

111-76-2

CA, FL, IL, MA, ME, MN, NJ, PA, RI

===== **DISCLAIMER** =====

The information contained within this MSDS was obtained from sources which Sierra/TK Products believe are reliable. However, the information is provided without any representation or warranty, expressed or implied, regarding its accuracy or correctness. We do not assume responsibility for loss, damage or expense arising from storage, use, or disposal of this product.

CONDITIONS OF SALE/LIMITED WARRANTY: Sierra/TK Products, warrants that this product conforms to the label descriptions, is free from manufacturing defects, and is fit for the ordinary purposes for which such goods are used. Inasmuch as the use of this product by others and other factors affecting product performance are beyond Sierra/TK Products' control, Sierra/TK Products does not guarantee the results to be obtained. There are no warranties except as stated herein, either express or implied, including implied warranties of merchantability or fitness for a particular purpose. Should this product fail to give satisfactory results, Sierra/TK Products will replace the product or, at its option, refund the purchase price. This is the sole and exclusive remedy for any failure of this product to perform as warranted and shall also constitute liquidated damages in case of loss. Under no circumstances shall the buyer be entitled to any other remedy or damages. Remedies for incidental and consequential damages are specifically excluded. Sierra/TK Products does not authorize any person to assume for it any other liability in connection with the sale or use of this product unless specifically authorized by Sierra/TK Products in writing.