



TEMP-COAT® Brand Products, LLC
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MATERIAL SAFETY DATA SHEET
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I PRODUCT IDENTIFICATION

Trade Name: ULTRA-FLEX Part "A" (3000, 4000, 5000 TG, VG) Synonyms: Asphalt Resin
 Chemical Family: Urethane Prepolymer Formula: Proprietary Mixture no molecular formula
 Product Code: N/A Maintenance Date: April 15, 2006
 Gross Weight: 40.5 lbs (5 gallon metal pail)

HMIS CODE: Health = 1 , Flammability = 1 , Reactivity = 0 , Specific Hazard = 0

II HAZARDOUS INGREDIENTS

INGREDIENT	CAS NO.	(%)	THRESHOLD LIMIT VALUE (UNITS)
Petroleum Asphalt	8052-42-4	30-45	5 mg/m3 (Note 1)
Mineral Spirits	112-90-3	8-12	
Pigments	1333-86-4	3-6	
Benzene ,0.4% from petroleum distillates	71-43-2	0-.4	
Amine Compounds		0.0-2	
Urethane Resins		35-45	

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS OR GASES

TLV applies to hot asphalt fumes and is not likely to present a hazard when used per instructions. TLV – 5mg/m3

III PHYSICAL DATA

Appearance & Odor :	Black Liquid with Kerosene Odor		
Boiling Point :	NDA	Melting Point :	NDA
Vapor Pressure (mmHg) :	NDA	Vapor Density (AIR=1) :	NDA
Specific Gravity (H ₂ O = 1) :	0.95-1.16 @ 15.6 C	Percentage Volatile by Volume:	5%
Evaporation Rate (Water =1):	NDA	Solubility in Water:	>300ppm

IV FIRE AND EXPLOSION DATA

Flash Point: 124 F (PM)
 Flammable Limits: Lower Explosive Limit: NDA Upper Explosive Limit: NDA
 Extinguishing Media: CO₂, Dry Chemical, Foam, Water, Fog, Halon

Special Procedures for Fighting Fire: Do not enter any confined spaces without proper equipment including SCBA.

Unusual Hazards: When heated liquid evaporates and forms vapor (fumes) which can catch fire and burn with explosive violence.

Invisible vapor from heated material spreads easily and can catch fire by many sources including pilot lights, welding equipment and electrical switches. Fire hazard is greater when liquid temperature is above 85 F.

V HEALTH HAZARD INFORMATION

Under normal application conditions, this product poses little or no immediate concern.

Inhalation: Suspect mild irritation of respiratory tract with prolonged exposure. Breathing high concentrations of

vapor as a result of spraying or atomizing may cause respiratory irritation, euphoria, excitation or giddiness, headache, nausea, vomiting, abdominal pain, loss of appetite, fatigue, muscular weakness, staggering gait, and central nervous system (CNS) depression. CNS effects include dizziness, drowsiness, disorientation, vertigo, memory loss, visual disturbances, and difficulty with breathing, convulsions, unconsciousness, paralysis, coma, and even death, depending upon the level of exposure concentration and/or duration. Precautions should be taken in confined spaces (see Section 8). **Ingestion:** If swallowed, this material may irritate the mucous membranes of the mouth, throat, and esophagus. It can be readily absorbed by the stomach and intestinal tract. Symptoms include a burning sensation of the mouth and esophagus, nausea, vomiting, dizziness, staggering gait drowsiness, loss of consciousness, and delirium, as well as additional central nervous system (CNS) effects (see "Inhalation" above). **Skin Contact:** Suspect slight skin irritation hazard. Prolonged and/or repeated contact may cause moderate dermatitis. **Eye Contact:** This product can cause minimal to moderate eye irritation upon short-term exposure to fumes or vapors. Symptoms include stinging, watering, redness, and swelling.

CHRONIC HEALTH EFFECTS:

Chronic effects of ingestion and subsequent aspiration into the lungs may cause pneumothorax (lung cavity) formation and chronic lung dysfunction.

Hazard Identification Health 1 Flammability 2 Reactive 0 Other n/a

Inhalation: Immediately move victim to fresh air. If victim is not breathing, begin rescue breathing and seek medical attention immediately.

Eye Contact: Check for and remove contact lenses. If irritation or redness develops, flush eyes with cool, clean, low pressure water for at least 15 minutes. Hold eyelid apart to ensure complete irrigation of the eye and eyelid tissue. Seek medical attention.

Skin Contact: Remove contaminated clothing and shoes. Flush affected areas with large amounts of water. If skin surface is damaged, apply a clean dressing and seek medical attention. If skin is not damaged, clean affected area with mild soap and water.

Ingestion: Do not induce vomiting or give anything by mouth. If spontaneous vomiting is about to occur, place victim's head below knees. If victim is drowsy or unconscious, place on the left side with head down. Never give anything by mouth to a person who is not fully conscious. Do not leave victim unattended. Seek medical attention immediately.

Notes to Physician: This product contains petroleum distillates and can present an aspiration/chemical pneumonitis hazard when ingested.

VI REACTIVITY DATA

STABILITY: Stable -- Yes

Unstable – No

Incompatibility (Materials to Avoid): Metal salts will coagulate product.

Hazardous Decomposition Products: CO, CO₂, Nox, Hydrocarbons.

Hazardous Polymerization:

May Occur - No

Will Not Occur - Yes

VII SPILL OR LEAK PROCEDURES

Steps to Be Taken in Case Material Is Released or Spilled:

Spills should be contained, solidified and placed in suitable containers for disposal in licensed facilities. This material is not regulated by RCRA nor CERCLA. Wear appropriate respiratory equipment and protective clothing and provide adequate ventilation during clean-up

Waste Disposal Method of Spill or Leak:

Incinerate or bury in a licensed facility. Do not discharge into waterways or sewer systems without proper authority.

VIII SPECIAL PROTECTION INFORMATION

Respirator: If vapors or mist are generated wear a NIOSH/MSHA approved organic respirator or positive air supplied respirator as appropriate.

Ventilation Local: YES Use local exhaust.

Mechanical:

Hands GLOVES: Gloves, overalls, apron and boots as necessary to prevent contact.

Eyes: Chemical GOGGLES or FULL FACE SHIELD if splash conditions exist.

IX REGULATORY INFORMATION

U. S. Regulations:

TSCA Inventory: All components of this product are listed or exempt under the Toxic Substances Control Act (TSCA) inventory.

SARA 302/304: N/A

SARA 311/312: N/A

SARA 313: NA

Clean Water Act: N/A

California Proposition 65: This product contains or may contain trace chemical substances which are known to the State of California to cause cancer, birth defects, or other reproductive harm.

X TRANSPORTATION DATA

Package Size: 5 gallon pail containing 32 lbs. 1 gallon cans containing 7.1 pounds.

DOT Shipping Name: Not Regulated

DOT Hazard Class: N/A

UNNMFC: 46030-00 Resins, Coal Tar or Petroleum

DOT Class 55

Reportable Quantity: N/A

XI ECOLOGICAL INFORMATION

Lava-Liner, Ltd. has not conducted ecological studies on this product and no information on similar mixtures was found in a search of scientific literature. However, components of the blend have been tested and where available, the data is summarized below.

Carbon Black

Algae

72-hr EC50 *Scenedesmus subspicatus*: >10,000 mg/l

72-hr NEOC 50 *Scenedesmus subspicatus*: > 10,000 mg/l

Fish

96-hr LC50 *Brachydanio rerio* (zebrafish) >1,000 mg/l

Invertebrates

35-hr EC50 *Daphnia magna* (water flea) >5,600 mg/l

XII OTHER

Some of the information presented and conclusions drawn herein are from sources other than direct test data on the product itself. The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss,

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