

1 Identification

GHS Product Identifier

Ultra-Flex ECO-5000 Part A

Other means of identification

Asphaltic Urethane Prepolymer.

This product is one part of a 2 part product. Read and understand the hazard information on the SDS for Part B before using this product.

Recommended use of the chemical and restriction on use

Component Material. Must be used with Part B

Supplier's details

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Emergency phone number

Chemtrec 800-424-9300

2 Hazard(s) identification

Classification of the substance or mixture

Combustible Liquid Category 2

Eye Damage Category 1

Carcinogen Category 2

GHS label elements

Warning



Combustible liquid

Causes skin irritation

Causes mild skin irritation

Causes serious eye damage

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Keep container tightly closed.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Use personal protective equipment as required.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

Get medical advice/attention.

Remove contact lenses, if present and easy to do. Continue rinsing.

Other hazards which do not result in classification

Carbon Black TLV and PEL levels do not reflect the significantly reduced chance of exposure through inhalation in the wetted form when blended with the other components of this product. The most likely route of entry for this material is through inhalation which is almost nil in the format used in this product.

3 Composition/information on ingredients

Description	CAS Number	EINECS Number	%	Note
Asphalt (petroleum)	8052-42-4	232-490-9	20 - 65	
Aeromatic Hydrocarbons Naptha (Petroleum)	64741-65-7	265-067-2	6 - 10	
Carbon Black	1333-86-4	231-153-3	2 - 4	
N,N-Bis(2-hydroxypropyl)aniline	3077-13-2	221-360-7	5 - 10	

4 First-aid measures

Description of necessary first-aid measures

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.

Most important symptoms/effects, acute and delayed

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.

Indication of immediate medical attention and special treatment needed, if necessary

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

5 Fire-fighting measures

Suitable extinguishing media

CO₂, Dry Chemical, Foam, Halon

Specific hazards arising from the chemical

Flash Point: >120°F Pinsky Martins

Flammability Classification: Combustible Liquid, Class II; 29 CFR 1910.106(a) (18) (i)

Flammability Limits:

Lower Limit: No data

Upper Limit: No data

Autoignition Temperature: No data

Hazardous Combustion Products: CO₂, CO, NO_x and short chains of hydrocarbon. Heat from fire can generate flammable vapor. When mixed with air and exposed to ignition source, vapors can burn in open or explode if confined. Vapors may be heavier than air, and may travel long distances along ground before igniting / flashback to ignition source. Fine sprays/mists may be combustible at temperatures below flash point.

Special protective actions for fire-fighters

Additional Considerations: This product flows freely when hot and should be treated as oil when exposed in a fire.

Fire Fighting Instructions: Pressure-demand, self-contained breathing apparatus should be provided for fire fighters in buildings or confined spaces where this product is stored. See Hazard Combustion Products. Storage containers when exposed to heat can build excessive pressure and burst with explosive force. Storage containers exposed to fire should be kept cool with water spray in order to prevent pressure buildup.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear protective equipment ; Observe handling precautions.

Environmental precautions

If material is spilled or released into the atmosphere, care should be taken to contain liquid and prevent discharge into streams or sewer system, and control loss of volatile materials into the atmosphere.

Methods and materials for containment and cleaning up

Contain materials using absorptive inert materials. Contained material should be cleaned up and removed to an approved waste disposal facility. Spills or releases should be reported, if required to the appropriate local, state, and federal authority.

7 Handling and storage

Precautions for safe handling

Wash prior to eating, drinking or when smoking, and when leaving work. Do not dispose of material or empty container into the environment but dispose of in manner consistent proper stewardship.

Conditions for safe storage, including any incompatibilities

Keep away from sparks, flame, or other source of ignition. Keep containers tightly closed. Do not wear contaminated clothing. Prevent static charge when handling material. Maintain storage temperature below the flash point.

8 Exposure controls/personal protection

Control parameters

Chemical/Compound	CAS No.	TLV
Petroleum Asphalt	8052-42-4	5 mg/m ³
Aromatic Hydrocarbons	64741-65-7	100 ppm
Carbon Black	1333-86+-4	3.5 mg/m ³
N,N-Bis(2-hydroxypropyl)aniline	3077-13-2	None Established

Appropriate engineering controls

Shower and eyewash facilities should be accessible.

Individual protection measures

Eye/Face Protection: Where splash, spillage, mist, vapor, spray or atomization may occur wear chemical goggles and NIOSH/MSHA approved respirator. SCBA should be worn in confined spaces where ventilation will not reduce exposure to below TLV.

Skin Protection: Wear protective clothing and impervious gloves to prevent contact with skin.

9 Physical and chemical properties

Physical and chemical properties

PHYSICAL APPEARANCE: Black viscous liquid
Odor: Slight kerosene
Physical State: Viscous Liquid
pH: N/A
Vapor Pressure: No data
Vapor Density: No data
Boiling Point: No data
Viscosity@77°F: 2800 – 3500 centipoises (Brookfield)
Solubility in Water: Negligible
Specific Gravity: No data
VOC: (<109 gm/l)

10 Stability and reactivity

Chemical stability

Stable

Possibility of hazardous reactions

Not known to polymerize

Conditions to avoid

Keep away from high temperatures, high heat, flames, sparks or other sources of ignition.

Incompatible materials

Metal salts will coagulate this product.

Hazardous decomposition products

CO₂, CO, NO_x and short chains of hydrocarbon. Heat from fire can generate flammable vapor. When mixed with air and exposed to ignition source, vapors can burn in open or explode if confined. Vapors may be heavier than air, and may travel long distances along ground before igniting / flashback to ignition source. Fine sprays/mists may be combustible at temperatures below flash point.

11 Toxicological information

Toxicological (health) effects

No Data

Delayed and immediate effects and also chronic effects from short and long term exposure

Contents of this blend are not listed as a carcinogen. However contains petroleum asphalt and petroleum distillates which may contain substances (trace amounts of benzene) known by the State of California to cause cancer and/or reproductive toxicity.

12 Ecological information

Toxicity

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.

Component

Carbon Black

Algae

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

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

Fish

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

Invertebrates

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

13 Disposal considerations

Disposal methods

Recover or reclaim when practical. Dispose of in an approved landfill if allowed locally. Comply with all Federal, State and local regulations. Dispose of in a permitted waste management facility if incineration or landfill is not practical.

14 Transport information

UN Number

46030-00

UN Proper Shipping Name

Resins, Coal Tar or Petroelum

Transport hazard class(es)

Not REgulated

Packing group, if applicable

Not Regulated

Environmental hazards

Not Regulated

Special precautions for user

No Data Available

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No Data Available

15 Regulatory information

Safety, health and environmental regulations specific for the product in question

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.

16 Other information

Other information

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 SDS 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, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. If the product is used as a component in another product other than that provided by Lava-Liner, Ltd. this SDS information may not be applicable. This SDS has been prepared in accordance with the requirements of the OSHA Hazard Communication Standard (29 CFR 1910.1200).