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## 1.0 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product:** PAVEGRIP 550 asphalt additive  
**Product use:** Asphalt antistripping additive

**Company:** UNIQUE Paving Materials Corporation  
3993 East 93<sup>rd</sup> Street  
Cleveland, Ohio 44105

**Emergency Telephone Numbers:** (800) 441-4880 (8:00 am-4:30 pm Mon-Fri)  
Within USA and Canada: (800) 424-9300 CHEMTREC  
Outside USA and Canada: (703) 527-3887 (collect calls accepted)

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## 2.0 HAZARDS IDENTIFICATION

**Health Hazard:** Liquid is severely irritating to the eyes and may cause irreversible damage. Vapors: causes irritation, tearing and burning sensation. The vapors of many amines cause the eyes to perceive a halo around lights.

Skin contact may cause moderate injury, reddening, and swelling.

Chronic, May cause allergic respiratory reactions.

Chronic, May cause allergic skin reactions.

Acute, Severe irritant or corrosive if ingested.

Chronic, May be toxic if swallowed.

### **Primary Routes of Entry:**

**Inhalation** ..... Severe Irritant  
**Skin** ..... Corrosive  
**Ingestion** ..... Severe Irritant; Harmful

**Over Exposure Effects:** **Ingestion Overexposure:** May be harmful if swallowed. Can cause severe irritation and inflammation of the mouth, throat, and stomach. Severe stomach pains follow with possible loss of consciousness. May lead to serious illness or death.

**Inhalation:** Exposure to vapor, mist or liquid can produce severe irritation or burns of the respiratory tract. Severe exposures could result in chemical pneumonia.

**Eyes:** Contact with eyes can cause severe damage, including burns and blindness. The severity of the effects depends on the concentration and how soon after exposure the eyes are washed. The vapors of many amines cause the eyes to perceive a halo around lights.

**Skin:** Corrosive. Prolonged or repeated contact, even to dilute concentrations, can cause a high degree of tissue damage. Irritation or burns of the skin may be delayed from initial contact. The severity of the tissue damage, depend on the exposure time.

**Carcinogenicity:**

NTP..... No  
IARC ..... No  
OSHA ..... No

**Hazardous Materials Identification System Rating:**

Health ..... 3  
Flammability ..... 1  
Reactivity ..... 0

**3.0 COMPOSITION/INFORMATION ON INGREDIENTS**

No		CAS REG NO	WEIGHT (%)
1	Proprietary Glycol Amine Mixture	Proprietary	100

**4.0 FIRST AID MEASURES**

**EYE CONTACT:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention. (If easy to do, remove contact lenses, if worn). Get medical attention immediately.

**SKIN CONTACT:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Destroy contaminated shoes. If shoes are not completely contaminated, thoroughly clean shoes before reuse

**INHALATION:** Remove victim to fresh air and, if needed, immediately begin artificial respiration. Give Oxygen if breathing is labored. Get emergency medical help. Contact physician immediately.

**INGESTION: DO NOT** induce vomiting. Get medical attention immediately. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person.

**5.0 FIRE-FIGHTING MEASURES**

**Flash Point:** None detected to 250° F.

**Flammable Limits:**

Lower ..... ND  
Upper ..... ND

**Extinguishing Media:** Water fog or spray, Foam, Dry Chemical, Carbon Dioxide (CO<sub>2</sub>).

**Unusual Fire Hazard:** Containers may explode from internal pressure if confined to fire. Cool with water. Keep unnecessary people away.

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## 6.0 ACCIDENTAL RELEASE MEASURES

**Spill or Leak:** In case of spillage, absorb with inert material such as kitty litter. Sweep up, place in a DOT approved container, and dispose of in accordance with applicable federal, state, and local regulations.

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## 7.0 HANDLING AND STORAGE

**Precautionary Handling:** Do not get in eyes, on skin, or on clothing. After handling this product, wash hands before eating, drinking, or smoking. If contact occurs, remove contaminated clothing and shoes. If needed, take emergency first aid action shown in this Material Safety Data Sheet.

**Storage:** Store away from acids. Store away from oxidizers or materials bearing a yellow "DOT" label.

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## 8.0 EXPOSURE CONTROLS/PERSONAL PROTECTION

**Ventilation:**

**Mechanical**..... Desired in closed places

**Local** ..... Recommended

**Respiratory Protection:** Not required under normal conditions in a well-ventilated workplace. If vapors or mists are generated, wear a NIOSH/MSHA approved organic vapor/mist respirator.

**Eye Protection:** Use goggles and/or face shield if splashing is likely

**Protective Clothing:** Wear impervious gloves, apron

**Threshold Limit Value:** None established for this blend or its components

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## 9.0 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance and Odor:</b>	Brown Viscous Liquid. Ammoniacal Odor.
<b>Boiling Point:</b>	> 450° F
<b>Freezing Point:</b>	ND
<b>Vapor Pressure (mmHg):</b>	ND
<b>Vapor Density (Air = 1):</b>	ND
<b>pH Value:</b>	Alkaline
<b>Solubility in Water:</b>	< 3%
<b>Specific Gravity (Water = 1):</b>	1.00 - 1.02 @ 25° C

NOTE: The physical data presented above are typical values and should not be construed as a specification.

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## 10.0 STABILITY AND REACTIVITY

**Chemical Stability:** Stable

**Conditions to Avoid:** Avoid contact with Oxidizers or Oxidizing Materials. Avoid contact with Acids.

**Incompatible Materials:** Oxidizers or Oxidizing Materials. Strong Acids.

**Decomposition Products:** From Fire: Smoke, Carbon Dioxide, Carbon Monoxide, Oxides of Nitrogen, Oxides of Ammonia, Sodium

**Hazardous Polymerization:** Will Not Occur

**Polymerization Avoid:** None

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## 11.0 TOXICOLOGICAL INFORMATION

Acute oral toxicity                      LD50 rat > 500 mg/kg

Acute dermal toxicity                    > 1000 mg/kg rabbit

Skin irritation                            rabbit  
Result: Corrosive and destructive to tissue.

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## 12.0 ECOLOGICAL INFORMATION

N/A

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## 13.0 DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Hazardous Waste. Follow Federal and State and Local Regulations for Hazardous Waste Disposal.

**EPA Hazard Waste Codes:** D002 - Characteristic of Corrosivity

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#### 14.0 TRANSPORT INFORMATION

**U.S. D.O.T.**

**Proper Shipping Name:** Corrosive liquids, basic, organic, n.o.s. (Polyalkylamine)  
**UN NO.:** 3267  
**Class:** 8  
**Packing Group:** III

**TDG (Canada):**

**Proper Shipping Name:** Corrosive liquids, basic, organic, n.o.s. (Polyalkylamine)  
**Hazard Class:** 8  
**UN NO.:** 3267  
**Packing Group:** III  
**Note:** No additional remarks

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#### 15.0 REGULATORY INFORMATION

**Notice** The following information is presented in good faith and is believed to be accurate, as of the revised date shown above. No warranty is therefore, expressed or implied. Regulatory information requirements are subject to change as governmental regulations change.

**TSCA: Toxic Substances Control Act:** All chemical substances contained in this product are listed in the TSCA Inventory List. (This, however, does not imply that all products are "toxic".)

**EPA: Environmental Protection Agency:**

**SARA: Superfund Amendments and Reauthorization Act**

**Title III, Section 313 (Toxic Chemicals):** None

**Reportable Quantity (RQ):** None

**Threshold Planning Quantity (TPQ):** None

**Title III, Section 311 (Hazard Categories):**

**Acute** ..... Yes

**Chronic** ..... Yes

**Ignitable** ..... No

**Reactive** ..... No

**Sudden Release of Pressure** No

**CERCLA: The Comprehensive Environmental Response, Compensation, and Liability Act of 1980:**

**Reportable Quantity (RQ):**.. ..... None

**Clean Air Act:**

**Sections:** ..... NA

**Clean Water Act:**

**Sections:** ..... NA

**INTERNATIONAL REGULATIONS: (Not meant to be all-inclusive --selected regulations represented)**

**Canadian Inventory Status:** This product, or its components, are listed on the Canadian Domestic Substances List (DSL).

**WHMIS Status:**



**16.0 OTHER INFORMATION**

Hazard Rating		
	HMIS	NFPA
Health	3	3
Fire	1	1
Reactivity	0	0

\* = Chronic

**ABBREVIATIONS:**

ACGIH = American Conference of Governmental Industrial Hygienists  
 OSHA = Occupational Safety and Health Administration  
 TLV = Threshold Limit Value  
 PEL = Permissible Exposure Limit  
 TWA = Time Weighted Average  
 STEL = Short-Term Exposure Limit  
 BAc = Butyl acetate

**DISCLAIMER OF LIABILITY** - The information on the 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 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. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Revision date: 4/01/14

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