1.0 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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

Company: UNIQUE Paving Materials Corporation
3993 East 93rd 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)

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_2).

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.

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.

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

9.0 PHYSICAL AND CHEMICAL PROPERTIES

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

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.

12.0 ECOLOGICAL INFORMATION

N/A

13.0 DISPOSAL CONSIDERATIONS

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

EPA Hazard Waste Codes: DOO2 - 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

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:

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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**

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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.

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