

SAFETY DATA SHEET

SECTION 1 – COMPANY AND PRODUCT IDENTIFICATION

Product name : Natural Sealer

Product code : 96F-163B

Recommended use : FOR INDUSTRIAL USE ONLY.

Manufacturer : Hanover® Architectural Products
5000 Hanover Road
Hanover, PA 17331
Phone: (717) 637-0500
Toll free: 1-800-426-4242
Fax: (717) 637-7145
Internet: www.hanoverpavers.com

Emergency phone : INFOTRAC 800-535-5035
(Outside the US, call collect 352-323-3500)

SECTION 2 – HAZARDS IDENTIFICATION

GHS Ratings :

GHS Hazards

H303 May be harmful if swallowed
H316 Causes mild skin irritation
H320 Causes eye irritation
H335 May cause respiratory irritation

GHS Precautions

P102 Keep out of reach of children
P281 Use personal protective equipment as required
P350 Gently wash with soap and water
P305+P351+P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing

Signal Word: Warning



SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Note: This product may contain pigments such as mineral silicates, silicone dioxide or titanium dioxide, which are not hazardous in wet paint. They may reach hazardous levels in dusts generated from sanding or grinding of dried paint.

Name	CAS#	Concentration*
Water	7732-18-5	72.00%
Proprietary Ingredient 1	Trade Secret #1	22.63%
Dipropylene Glycol	29911-28-2	2.77%
Butoxy Ether		
Dipropylene Glycol	34590-94-8	1.38%
Monomethyl Ether		

* All concentrations are percent by weight unless material is a gas. Gas concentrations are in percent by volume.

Remaining components are proprietary, non-hazardous, and/or present at amounts below reportable limits.

SECTION 4 – FIRST AID MEASURES

- Inhalation** : Move person to fresh air. If breathing has stopped, administer artificial respiration. Seek medical attention!
- Eye Contact** : In case of eye contact, flush the eyes with water for fifteen (15) minutes. If contact lenses are worn, quickly remove them, then flush the eyes with water. Have a physician examine the eyes.
- Skin Contact** : In case of skin contact, remove contaminated clothing. Flush the skin with large amounts of water, then wash the skin with soap and water.
- Ingestion** : Do not induce vomiting. This may cause chemical pneumonitis and pulmonary edema. If vomiting occurs spontaneously, keep the head below the hips to prevent aspiration of liquid into the lungs . Seek immediate medical attention.

SECTION 5 – FIRE FIGHTING MEASURES

- Flash Point** : >100°C (>212°F)
- LEL** : 1.0
- UEL** : 20.0
- Extinguishing Media** : Use carbon dioxide (CO₂), foam, dry chemical, or water spray/water fog extinguishing system.

SECTION 5 – FIRE FIGHTING MEASURES

- Unusual Fire and Explosion Hazards** : Vapors may travel considerable distance by air and become ignited by ignition sources.
- Hazardous Combustion Products** : Oxides of carbon.
- Fire Fighting Instructions** : Full protective equipment including self contained breathing apparatus should be used.
- Fire Equipment** : Water spray may not be effective, use fog nozzles.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

- Spill and Leak Procedure** : Eliminate all ignition sources. Ventilate the area. Use appropriate respirator and protective clothing.
- Small Spills** : Contain spill areas with dikes. Recover spilled material into containers. Absorb remainder with absorbent material.
- Large Spills** : If small spill measures do not contain the spill, notify local authorities and/or the fire department.

SECTION 7 – HANDLING AND STORAGE

- Handling** : Avoid prolonged breathing or contact with product. Keep containers closed when not in use. Do not cut, drill, grind, or weld near containers even when empty. Use non-sparking tools when working around this material.
- Storage Requirements** : Protect from freezing. Keep containers closed when not in use. Keep away from excessive heat, open flames, or sparks.
- Regulatory Requirements** : Consult national, state and local environmental laws.

SECTION 8 – EXPOSURE CONTROLS, PERSONAL PROTECTION

Chemical Name/CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Water 7732-18-5	Not Established	Not Established	Not Established
Proprietary Ingredient 1 Trade Secret #1	Not Established	Not Established	Not Established
Dipropylene Glycol Butoxy Ether 29911-28-2	Not Listed	Not Listed	Not Established

SECTION 8 – EXPOSURE CONTROLS, PERSONAL PROTECTION

Chemical Name/CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Dipropylene Glycol Monomethyl Ether 29911-28-2	Skin: VPEL 100 ppm - TWA Skin: VPEL 150 ppm - STEL	Skin: VPEL 100 ppm - TWA Skin: VPEL 150 ppm - STEL	Not Established

Ventilation : Exhaust as required to keep exposure below Threshold Limit Values.

Protective Gear : If ventilation equipment cannot control exposures below the TLV’s, wear a properly fitted organic/particulate NIOSH/MSHA approved respirator. Wear rubber or neoprene protective gloves for repeated or prolonged skin contact. Wear safety glasses or face shield for eye protection.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<p>Physical State: Liquid</p> <p>Vapor Pressure: 0.24 mmHg @ 68 F</p> <p>Density: 1.02</p> <p>Solvent based product freezing point: N/A</p> <p>Boiling range: 100 - 229°C</p> <p>Evaporation rate: Slower than ether</p> <p>Lbs VOC/Gallon Solids: 1.62</p> <p>g/l VOC Less Exempt Less Water: 159.01</p> <p>% wt exempt: 0.00</p> <p>% Weight Solids: 23.71</p> <p>lbs/gal VOC as supplied: 0.36</p>	<p>Odor: Paint</p> <p>Vapor Density: 5.9</p> <p>Formula Lb / Gal: 8.49</p> <p>Water based product freezing point: 32 F</p> <p>Flash point: 212°F, 100°C</p> <p>Explosive Limits: 1% - 20%</p> <p>Lbs/Gal VOC Less H2O+Exempt: 1.33</p> <p>Percent Weight Water: 72.00</p> <p>% Organic Solvent: 4.29</p> <p>% Volume Solids: 21.76</p>
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SECTION 10 – STABILITY AND REACTIVITY

Stability : STABLE.

Incompatibility : Strong acids or bases.
Strong oxidizing agents.
Strong oxidizing agents, acids, and alkali/base/caustic solutions.
High temperatures or localized heat sources.

Hazardous Decomposition : Oxides of carbon and nitrogen.
Oxides of carbon.
Fluorine containing gases can be produced.
Chlorine containing gases can be produced.
Hazardous polymerization will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

Mixture Toxicity

Component Toxicity

Trade Secret #1 Proprietary Ingredient 1
Dermal LD50: 2,000 mg/kg (Rabbit) Inhalation LC50:33 mg/L (Rat)

Routes of Entry:

Inhalation Skin Contact Eye Contact Ingestion

Exposure to this material may affect the following organs:

Eyes Liver Skin

Effects of Overexposure

Short Term Exposure : Eye or skin contact with ammonia can cause irritation, burns, frostbite (anhydrous), and permanent damage. Irritates the respiratory tract causing coughing, wheezing and shortness of breath. Higher exposure can cause pulmonary edema, a medical emergency, that can be delayed for several hours and is life threatening . Exposure can cause headache, loss of sense of smell, nausea, and vomiting.

Long Term Exposure : Repeated exposure can cause chronic eye, nose, and throat irritation. Repeated lung irritation can result in bronchitis with coughing, shortness of breath, and phlegm. Levels of 170 ppm of ammonia vapor has caused mild changes in the spleens, kidneys and livers of guinea pigs.

Eye Contact : Causes eye burns.

Inhalation : Moderately irritating.

Skin Contact : Not expected to be a skin irritation hazard.
Suspect skin sensitization hazard.
Suspect slight skin absorption hazard.

Ingestion : Suspect slight ingestion hazard.

Carcinogenicity: The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA, or ACGIH.

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
None			None

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity : Protect environment from spills and releases

Component Toxicity

Proprietary Ingredient 1 48 Hr EC50 Daphnia: 3.68 mg/L

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SDS Revision Date: 10/07/2020



SECTION 13 – DISPOSAL INFORMATION

Disposal : As the US EPA, state, local or other regulatory agency may have jurisdiction over the disposal of your facility's waste, it is incumbent on you, to learn and satisfy all the regulations which effect you. Dispose of in accordance to government regulations. Destroy by liquid incineration by certified environmental service group.

SECTION 14 – TRANSPORT INFORMATION

Protect from freezing.

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Paint *- Not required **- Not regulated	Not req*		Not reg**

SECTION 15 – REGULATORY INFORMATION

Additional regulatory listings where applicable

Hazardous Air Pollutants
- None

Chemicals meeting reporting requirements of OSHA
- None

California Prop. 65 Components
- None

SARA Section 313 Emission Reporting
7664-41-7 Ammonia 0.13 %
29911-28-2 Dipropylene Glycol Butoxy Ether 2.77 %

SARA Section 312/311 Reporting
- None

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
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EU Risk Phrases

Safety Phrase

Toxic Substances Control Act (TSCA): All chemicals except those listed below appear in the Toxic Substances Control Act Chemical Substance Inventory:

- None

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SECTION 16 – OTHER INFORMATION

Hazardous Material Information System (HMIS)

HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

HMIS & NFPA Hazard Rating

Legend

* = Chronic Health Hazard

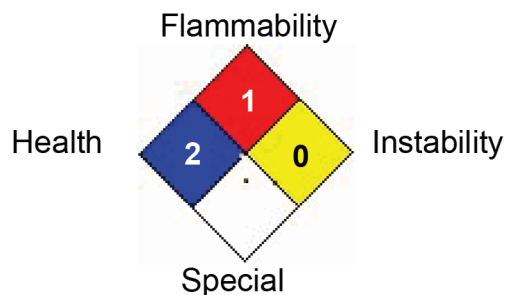
0 = INSIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH

National Fire Protection Association (NFPA)



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