

SAFETY DATA SHEET

SECTION 1 – CHEMICAL PRODUCT AND COMPANY INFORMATION

Product name : High Definition Low VOC Sealer

Product code : 96Z-239

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

Flammable liquid	3	Flash point $\geq 23^{\circ}\text{C}$ and $\leq 60^{\circ}\text{C}$ (140°F)
Skin corrosion/irritation	2	Reversible adverse effects in dermal tissue, Draize score: $\geq 2.3 < 4.0$ or persistent inflammation
Serious eye damage/eye irritation	2A	Eye irritant: Subcategory 2A, Reversible in 21 days
Skin sensitization	1	Skin sensitization

GHS Hazards

H226	Flammable liquid and vapour
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation

SECTION 2 – HAZARDS IDENTIFICATION

GHS Precautions

- P210 : Keep away from heat/sparks/open flames/hot surfaces - No smoking
- P233 : Keep container tightly closed
- P242 : Use only non-sparking tools
- P243 : Take precautionary measures against static discharge
- P261 : Avoid breathing dust/fume/gas/mist/vapours/spray
- P264 : Wash ... thoroughly after handling
- P280 : Wear protective gloves/protective clothing/eye protection/face protection
- P321 : Specific treatment (see ... on this label)
- P302+P352 : IF ON SKIN: Wash with soap and water
- P303+P361+P353 : IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
- P305+P351+P338 : IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing
- P332+P313 : If skin irritation occurs: Get medical advice/attention
- P333+P313 : If skin irritation or a rash occurs: Get medical advice/attention
- P337+P313 : If eye irritation persists, get medical advice/attention
- P370+P378 : In case of fire: Use foam to dry powder for extinction
- P403+P235 : Store in a well-ventilated place. Keep cool
- P501 : Dispose of content/container according to regulations

Signal Word: Warning



SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Weight Concentration %
Chlorobenzotrifluoride	98-56-6	74.33%
Isoalkanes	68551-16-6	5.00%
Methyl-O,O',O"-butan-2-on-trioximo-silane	22984-54-9	1.88%

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** : > 43 C (>109 F)
- LEL** : N/A **UEL:** N/A
- Extinguishing Media** : Use carbon dioxide (CO2), foam, dry chemical, or water spray/water fog extinguishing system.
- 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** : If small spill measures do not contain the spill.
- Large Spills** : Contain spill areas with dikes. Recover spilled material into containers. Absorb remainder with absorbent material.

HANOVER® HD Low VOC Sealer

SDS Revision Date: 04/22/2022



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 : 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
Chlorobenzotrifluoride 98-56-6	Not Established	Not Established	CEL: 25 ppm 8 hr TWA
Isoalkanes 68551-16-6	Not Established	Not Established	Not Established
Methyl-O,O',O"-butan-2-on- trioximo-silane 22984-54-9	Not Established	Not Established	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

Physical State: Liquid	Odor: Paint
Vapor Pressure: 5.0 mmHg @ 20 C	Vapor Density: 6.2
Density: 1.21	Formula Lb / Gal: 10.08
Solvent based product freezing point: N/A	Water based product freezing point: 32 F
Boiling range: 110 - 167°C	Flash point: >109°F,>43°C
Evaporation rate: Slower than ether	Explosive Limits: N/A
Lbs VOC/Gallon Solids: 2.86	Lbs/Gal VOC Less H2O+Exempt: 1.95
g/l VOC Less Exempt Less Water: 234.17	Percent Weight Water: 0.00
% wt exempt: 75.00	% Organic Solvent: 81.25
% Weight Solids: 18.75	% Volume Solids: 22.05
lbs/gal VOC as supplied: 0.63	

HANOVER® HD Low VOC Sealer

SDS Revision Date: 04/22/2022



SECTION 10 – STABILITY AND REACTIVITY

Stability : STABLE.

Incompatibility : Heat or flames, strong acids or bases. Strong oxidizing agents

Hazardous Decomposition : Oxides of carbon and nitrogen.

Chlorine containing gases can be produced.
Hazardous polymerization will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

Mixture Toxicity : Dermal Toxicity LD50: 4,440mg/kg
Inhalation Toxicity LC50: 44mg/L

Component Toxicity : 98-56-6 Chlorobenzotrifluoride
Derma, LD50: 3,300 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, Skin

Effects of Overexposure

Short Term Exposure : Causes local irritation to skin, eyes and mucous membranes. May cause irritation by any route of exposure. The LD50 rat is 13 gm/kg (13,000 mg/kg) (insignificantly toxic).

Long Term Exposure : There is evidence that this chemical is a mutagen.

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 Ecotoxicity

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

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Paint <119 gallon per single package	UN-1263	III	Not Regulated
DOT - Bulk	Paint >119 gallons in a single package	UN-1263	III	3

SECTION 15 – REGULATORY INFORMATION

Additional regulatory listings where applicable

California Prop. 65 Components
None

Hazardous Air Polutants
None

Chemicals meeting reporting requirements of OSHA
98-56-6 Chlorobenzotrifluoride 74.33%

SARA Section 312/311 Reporting
98-56-6 Chlorobenzotrifluoride 74.33%

SARA Section 313 Emission Reporting
- None

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
----------------	-------------------	------------------------------

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

- 68551-16-6 Isoalkanes 5.0%
- 22984-54-9 Methyl-O,O',O"-butan-2-on-trioximo-silane 1.9%

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) . This product contains a chemical or chemicals which are subject to the reporting requirements of the Act, and Title 40 of the Code of Federal Regulations, part 372.

HANOVER® HD Low VOC Sealer

SDS Revision Date: 04/22/2022



SECTION 16 – OTHER INFORMATION

Hazardous Material Information System (HMIS)

HEALTH	<input type="text"/>	2
FLAMMABILITY	<input type="text"/>	2
PHYSICAL HAZARD	<input type="text"/>	1
PERSONAL PROTECTION	<input type="text"/>	

HMIS & NFPA Hazard Rating

Legend

* = Chronic Health Hazard

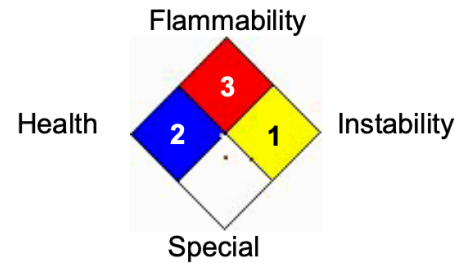
0 = INSIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH

National Fire Protection Association (NFPA)



Every effort has been made to ensure that the safety information on this sheet is accurate, but because Hanover® Architectural Products has no control over the condition under which the product will be used, liability is limited exclusively to replacement or refund of the purchased price of this product. Except as stated herein, there are NO EXPRESS OR IMPLIED WARRANTIES INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Hanover® Architectural Products assumes no liability for injury or incidental or consequential damages arising out of the storage and handling or use of this product.