

VaproLiqui-Shield™

Issue Date 2025.10.20

Revision Date:

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SECTION 1 - PRODUCT IDENTIFICATION

Product Identifier

Product Name: VaproLiqui-Shield™

Other means of identification

Other Names/Synonyms: Part No. 58304600 5-gal pail, 58300299 52-gal drum

Recommended use of the chemical and restrictions on use

Recommended use: Restricted to professional users as adhesives and/or sealants

Uses advised against: No information available

Details of the supplier of the safety data sheet

Supplier Address: VAPROSHIELD, LLC
915 26TH Ave. NW, #C-5
Gig Harbor, WA 9335
866-731-7663

Emergency telephone number

Product Information: 8:00 AM - 5:00 PM PST Monday-Friday

1-866-731-7663

24 hour Emergency Contact: 24/7 CHEMTREC:

1-800-535-5053 or 1-703-527-3887

SECTION 2 - HAZARDS IDENTIFICATION

Classification:

Not a dangerous substance or mixture according to OSHA 29 CFR 1910.1200

Hazards not otherwise classified (HNOC):

Not applicable

Label Elements

EMERGENCY OVERVIEW:

Not a dangerous substance or mixture according to OSHA 29 CFR 1910.1200. Hazard statements

Appearance: viscous (Cured solid)

Physical state: Paste/Gel (Cured solid)

Odor: Mild

PRECAUTIONARY STATEMENTS:

Other Information

Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

SECTION 3 - COMPOSITION/INFORMATION

Component	CAS-No.	Weight - %	Trade Secret
Limestone	1317-65-3	30-60	*
Trimethoxyvinylsilane	2768-02-7	1 - <5	*
1-Propanamine, 3-(trimethoxysilyl)-	13822-56-5	1 - <5	
Carbonic acid, calcium salt (1:1)	471-34-1	1 - <5	*
Carbon Black	1333-86-4	1 - <5	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4 - FIRST AID MEASURES

Description of First Aid Measures:

General advice	Show this safety data sheet to the doctor in attendance.
Eye contact	Immediately flush with plenty of water, also under the eyelids. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep your eye wide open while rinsing. Get medical attention if irritation develops and persists. Do not rub the affected area.
Skin Contact	Wipe off the material with a dry cloth. Wash skin with soap and water. In case of skin irritation or allergic reaction, see a physician.
Inhalation	Remove to fresh air. If symptoms persist, call a physician.
Ingestion	Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Small amounts of toxic methanol are released by hydrolysis. Call a physician or poison control center immediately.

Most important symptoms and effects, both acute and delayed:

Symptoms	No information available.
Effects of Exposure	No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians	Treat symptomatically. Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.
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SECTION 5 - FIRE-FIGHTING MEASURES

Suitable Extinguishing Media - Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media - Caution: Use of water spray when fighting fire may be inefficient.

Specific Hazards Arising from the Chemical - Thermal decomposition can lead to the release of irritating gases and vapors.

Hazardous Combustion Products - Carbon oxides. Carbon monoxide. Carbon dioxide (CO₂). Nitrogen oxides (NO_x). Silicon oxides. Silicon dioxide.

Explosion Data - None

Protective Equipment and Precautions for Firefighters - As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Personal precautions:	Use personal protective equipment as required. Ensure adequate ventilation. Avoid contact with skin, eyes, or clothing. Wash thoroughly after handling.
Other information:	Refer to protective measures listed in Sections 7 and 8.
Environmental precautions:	Refer to Section 12 for additional Ecological Information.
Methods for containment:	Prevent further leakage or spillage if safe to do so.

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Methods for cleaning up:

Use personal protective equipment as required. Take up mechanically, placing in appropriate containers for disposal. Clean the contaminated surface thoroughly.

Reference to other sections:

See section 8 for more information. See section 13 for more information.

SECTION 7 - HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling:

Use personal protective equipment as required. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink, or smoke when using this product. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin, eyes, or clothing. Wash thoroughly after handling. Take off contaminated clothing and wash before reuse.

Storage Conditions:

Keep containers tightly closed in a cool, well-ventilated place. Protect from moisture. Keep away from food, drink, and animal feeding stuffs.

Recommended storage temperature: Keep at temperatures between 50 and 95 °F (10 and 35 °C).

Reference to other sections: Section 10: STABILITY AND REACTIVITY

Section 13: DISPOSAL CONSIDERATIONS

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits: This product contains substances that in their raw state are powder form; however, in this product, they are in a non-respirable form. Inhalation of powder/dust particles is unlikely to occur from exposure to this product. Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

Chemical Name	PEL (OSHA)	TLV (ACGIH)	IDLH (NIOSH)
Carbonic acid, calcium salt (1:1) 471-34-1			TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust
Limestone 1317-65-3	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 15 mg/m ³ total dust (vacated) TWA: 5 mg/m ³ respirable fraction		TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust
Carbon Black 1333-86-4	TWA: 3.5 mg/m ³ TWA: 3.5 mg/m ³ (vacated)	TWA: 3 mg/m ³ inhalable fraction	IDLH: 1750 mg/m ³ TWA: 3.5 mg/m ³ TWA: 0.1 mg/m ³ Carbon black in the presence of Polycyclic aromatic hydrocarbons PAH
Methyl alcohol 67-56-1	TWA: 200 ppm TWA: 260 mg/m ³ (vacated) TWA: 200 ppm (vacated) TWA: 260 mg/m ³ (vacated) STEL: 250 ppm (vacated) STEL: 325 mg/m ³ (vacated)	STEL: 250 ppm TWA: 200 ppm	IDLH: 6000 ppm TWA: 200 ppm TWA: 260 mg/m ³ STEL: 250 ppm STEL: 325 mg/m ³

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ACGIH TLV: American Conference of Governmental Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits Immediately Dangerous to Life or Health NIOSH IDLH Immediately Dangerous to Life or Health

Chemical Name	Argentina	Brazil	Chile	Colombia
Limestone 1317-65-3	TWA: 10 mg/m ³		LPP: 7 mg/m ³ LPP: 5 mg/m ³	
Carbon Black 1333-86-4	TWA: 3.5 mg/m ³	TWA: 3.5 mg/m ³		TWA: 3.0 mg/m ³ inhalable fraction
Methyl alcohol 67-56-1	TWA: 200 ppm	TWA: 200 ppm	TWA: 200 ppm	TWA: 200 ppm

Chemical Name	Costa Rica	Peru	Uruguay	Venezuela
Carbonic acid, calcium salt (1:1) 471-34-1		TWA: 10mg/m ³		TWA: 10mg/m ³
Carbon Black 1333-86-4	TWA: 3.0 mg/m ³ TWA: 10 mg/m ³ inhalable fraction	TWA: 3.5 mg/m ³		
Methyl alcohol 67-56-1	TWA: 200ppm	TWA: 200ppm	TWA: 200ppm	TWA: 200ppm

Appropriate engineering controls

Engineering Controls: Showers, Eyewash stations, Ventilation systems.

Individual protection measures, such as Personal Protective Equipment

Eye/face protection: Wear safety glasses with side shields (or goggles).

Skin and body protection: Wear protective gloves and protective clothing.

Respiratory protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA-approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations: Wear suitable gloves and eye/face protection. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink, or smoke when using this product. Avoid contact with skin, eyes, or clothing. Wash your hands before breaks and after work. Take off contaminated clothing and wash before reuse. Regular cleaning of equipment, work area, and clothing is recommended.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Form: Past/Gel (solid)
Appearance: viscous
Color: black - gray black
Odor: mild
Odor threshold: No information available

Property	Values
pH	Not Applicable
Melting point/freezing point	No information available
Boiling point/boiling range	No information available
Flash point	No information available
Evaporation rate	No information available
Flammability (solid, gas)	No information available
Flammability Limits in Air	
Upper flammability limits	No information available
Lower flammability limit	No information available
Vapor pressure	No information available
Vapor density	No information available
Specific Gravity	No information available
Water solubility	No information available
Solubility in other solvents	No information available
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available
Other Information	
Softening point	No information available
VOC Content (g/L)	No information available
Density	12 pounds/gallon
Particle size	No information available
Particle size distribution	No information available

SECTION 10 - STABILITY AND REACTIVITY

Reactivity Product cures with moisture

Chemical stability Stable under recommended storage conditions

Possibility of hazardous reactions None under normal processing

Conditions to avoid Protect from moisture. Exposure to air or moisture over prolonged periods. Do not freeze. Keep away from open flames, hot surfaces and sources of ignition.

Hazardous decomposition products Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

Incompatible materials None known based on information supplied.

SECTION 11 - TOXICOLOGY INFORMATION

Information on likely routes of exposure

Product Information

- Inhalation:** Based on available data, the classification criteria are not met.
- Skin Irritation:** Based on available data, the classification criteria are not met.
- Eye Irritation:** Based on available data, the classification criteria are not met.
- Ingestion:** Based on available data, the classification criteria are not met.

Acute toxicity

Numerical measures of toxicity

The following values are calculated based on Chapter 3.1 of the GHS document

- ATEmix (oral)** >5000 mg/kg
- ATEmix (dermal)** 272,562.00 mg/kg
- ATEmix (inhalation-gas)** >20000 ppm
- ATEmix (inhalation-dust/mist)** >5 mg/l
- ATEmix (inhalation-vapor)** 846.90 mg/l

Component Information

Chemical Name	LD50/Oral	LD50/Dermal	Inhalation LC50
Limestone 1317-65-3	>5000 mg/kg (Rattus)		
Calcium Carbonate 471-34-1	LD50 > 2000 mg/kg (Rattus) OECD 420	LD50 >2000 mg/kg (Rattus) OECD 402	LC50 (4h) >3mg/ml (Rattus)
Carbon Black 1333-86-4	> 15400 µl/kg (Rat)	> 3 g/kg (Rabbit)	
1-Propanamine, 3-(trimethoxysilyl)-13822-56-5	LD50 (Rattus) > 2000 mg/ kg (2,97 ml/kg) (OECD 401)	LD50 (Oryctolagus cuniculus) > 2000 mg/kg 11,3 ml/kg) OECD 402	
Trimethoxyvinylsilane 2768-02-7	LD50 = 7120 -7236 mg/kg (Rattus) OECD 401	= 3540 mg/kg (Oryctolagus cuniculus)	LC50 (4hr) 16.8 mg/l (Rattus) OECD TG 403

Symptoms related to the physical, chemical, and toxicological characteristics

Symptoms

May cause redness and tearing of the eyes; itching, rashes, and hives.

Delayed and immediate effects, as well as chronic effects from short and long-term exposure

Sensitization

May cause sensitization by skin contact. May cause sensitization of susceptible persons.

Germ cell mutagenicity

No information available.

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen. This product contains titanium dioxide, which is classified as a possible carcinogen when present as respirable dust. This is not relevant for this product since it is a liquid. This product contains carbon black, which is classified as a possible carcinogen when present as respirable dust. This is not relevant for this product since it is not in a respirable form.

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Chemical Name	OSHA	ACGIH	IARC	NTP
Carbon Black 1333-86-4	X	A3	Group 2B	-

ACGIH: American Conference of Governmental Hygienists - A3 Animal Carcinogen, OSHA: Occupational Safety and Health Administration - X Present, IARC International Agency for Research on Cancer - Group B Possible Carcinogenic to Humans

Reproductive toxicity Contains a known or suspected reproductive toxin.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Target organ effects Eyes, Respiratory system, Skin, Gastrointestinal tract (GI), Reproductive System, Lungs, Lymphatic System
Aspiration hazard No information available.

Numerical measures of toxicity - Product Information

Unknown acute toxicity 78.11% of the mixture consists of ingredient(s) of unknown toxicity

SECTION 12: ECOLOGICAL INFORMATION

The product contains a chemical that is listed as a marine pollutant according to DOT.

Ecotoxicity

Chemical Name	Algae/aquatic Plants	Fish	Toxicity to microorganisms	Crustacea
Limestone 1317-65-3	CE50 (72h) >200mg/L Algae (Desmodesmus subspicatus)	CL50 (96h) >10000mg/L (Oncorhynchus mykiss)	-	CE50 (48h) >1000 mg/L Daphnia Magna
Carbonic acid, calcium salt (1:1) 471-34-1	IC50 72H Algae >1000 mg/l	CL50 96H >1000 mg/l	-	EC50 48H Daphnia >1000 mg/l
Carbon Black 1333-86-4	EC50 (72 h) >10,000 mg/l, NOEC 10,000 mg/l	LC0 (96 h) 1000mg/l, S	-	24 h Daphnia magna > 5600 mg/L EC50
1-Propanamine, 3-(trimethoxysilyl)- 13822-56-5	EC50 (72h) > 1000 mg/l (Desmodesmus subspicatus) EU Method C.3 (Algal Inhibition test)	LC50 (96h) > >934 mg/L (Danio rerio) OECD 203		EC50 (48h) = 331 mg/L (Daphnia magna) OECD 202
Trimethoxyvinylsilane 2768-02-7	EC 50 (72h) > 957 mg/l (Desmodesmus subspicatus) EU Method C.3	LC50 (96h) = 191 mg/l (Oncorhynchus mykiss)		EC50(48hr) 168.7mg/l (Daphnia magna)

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Persistence and degradability

No information available.

Bioaccumulation

There is no data for this product.

Other adverse effects

No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal:

This material, as supplied, is not hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additives are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging

Handle contaminated packages in the same way as the product itself.

SECTION 14: TRANSPORTATION INFORMATION

DOT	Not regulated.
Transport hazard class(es)	Not Applicable
TDG	Not regulated.
MEX	Not regulated.
ICAO	Not regulated.
IATA	Not regulated.
Transport hazard class(es)	Not Applicable
IMDG/IMO	Not regulated.
Transport hazard class(es)	Not Applicable
RID	Not regulated.
ADR	Not regulated.
ADN	Not regulated.

SECTION 15: REGULATORY INFORMATION

International Inventories

TSCA	Listed
DSL	Listed

Legend:

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- Listed** - The components of this product are either listed or exempt from listing on inventory.

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain a chemical or chemicals that are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

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SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

US State Regulations

California Proposition 65

This product contains methanol, which is known by the State of California to cause reproductive harm.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Calcium Carbonate 471-31-1	X	X	X		
Carbon black 1333-86-4	X	X	X		X
Limestone 1317-65-3	X	X	X		
Quartz 14808-60-7	X	X	X		

International Regulations

Europe

Restrictions of Use of Hazardous Substances (RoHS) Directive 2011/65/EU

This product does not contain Lead, Cadmium, Mercury, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-Ethylhexyl) phthalate (DEHP), Benzyl butyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP) above the regulated limit mentioned in this regulation. This document is based on the information given to us by our own suppliers at the date of this document.

SVHC: Substances of Very High Concern for Authorization:

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 16: OTHER INFORMATION

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

Prepared By
Issuing Date

Regulatory Department
20-October-2025

Contact Person:

SDS Coordinator, 915 26TH Ave. NW, #C-5, Gig Harbor, WA 9335, Phone: 866-731-7663

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Information provided in this Safety Data Sheet is given in good faith and is, to the best of our knowledge and belief, accurate and reliable. However, since information herein was obtained, in part, from independent suppliers not under the direction and supervision of VAPROSHIELD, the information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. VAPROSHIELD warrants only that it has made no effort to censor other than trade secret information or to conceal deleterious aspects of its products. The information relates only to the specific material designated and may not be valid for material used in combination with other materials or in any process, unless noted in the text.

End of Safety Data Sheet