

VaproLiqui-Flash™

Issue Date 2015.02.10

Revision Date 2018.08.22

Revision Number 3.01

**SECTION 1 – PRODUCT IDENTIFICATION**

**Product Identifier**

**Product Name:** VaproLiqui-Flash™

**Other means of identification**

**Other Names/Synonyms:** Part No. 38609800

**Recommended use of the chemical and restrictions on use**

**Recommended use:** Restricted to professional users as a sealant

**Uses advised against:** No information available

**Details of the supplier of the safety data sheet**

**Supplier Address:** VAPROSHIELD, LLC  
915 26<sup>TH</sup> 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 INFOTRAC:

1-800-535-5053

**SECTION 2 - HAZARDS IDENTIFICATION**

**Classification**

Reproductive toxicity	Category 1B
-----------------------	-------------

**Label Elements**

**EMERGENCY OVERVIEW:**

**Danger**

**Hazard statements**

May cause cancer

May damage fertility or the unborn child



**Appearance:** viscous

**Physical state:** Paste/Gel

**Odor:** Mild

**PRECAUTIONARY STATEMENTS**

**PREVENTION:** Obtain special instructions before use

Do not handle until all safety precautions have been read and understood.

Use personal protective equipment as required

**RESPONSE:** IF exposed or concerned: Get medical advice/attention.

**STORAGE:** Store locked up

**DISPOSAL:** Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

**Other Information**

May be harmful in contact with skin

4.687287% of the mixture consists of ingredient(s) of unknown toxicity

**SECTION 3 - COMPOSITION/INFORMATION**

Component	CAS-No.	Weight - %	Trade Secret
Limestone	1317-65-3	15-40	*
Proprietary - Silyl Terminated Polyether	Undisclosed	10 - 30	*
Precipitated Calcium Carbonate	471-34-1	10 - 30	*
Dibutyl Phthalate	84-74-1	10 - 30	*
Stearic acid	57-11-4	1 - 5	*
Aminoethyl aminopropyl trimethoxy silane	1760-24-3	1 - 5	*
Dibutyltin Diacetyldiacetonate	22673-19-4	0.1 - 1	*

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

**SECTION 4 - FIRST AID MEASURES**

**Description of First Aid Measures:**

<b>General advice</b>	If symptoms persist, call a physician.
<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Call a physician immediately.
<b>Skin Contact</b>	Wipe off material with a dry cloth. Wash skin with soap and water. If symptoms persist, call a physician.
<b>Inhalation</b>	Remove to fresh air. If symptoms persist, call a physician.
<b>Ingestion</b>	Do NOT induce vomiting. Call a physician or poison control center immediately.
<b>Self-protection of the first aider</b>	Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

**Most important symptoms and effects, both acute and delayed:**

**Symptoms** May cause irritation.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

**SECTION 5 - FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media** – Use extinguishing measures that are appropriate to local circumstances and the surround environment.

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

**Specific Hazards Arising from the Chemical** – No information available

**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. Keep people away from and upwind of spill/leak.

**Environmental precautions:** Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. See Section 12 for additional ecological information.

**Methods and material for containment and cleanup**

**Methods for containment:** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up:** Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.

**SECTION 7 - HANDLING AND STORAGE**

**Precautions for Safe Handling**

**Advice on Safe Handling:** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions:** Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children.

**Incompatible materials:** Acids. Strong oxidizing agents.

**SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

Chemical Name	PEL (OSHA)	TLV (ACGIH)	IDLH (NIOSH)
Limestone 1317-65-3	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction (vacated) TWA: 15 mg/m <sup>3</sup> total dust (vacated) TWA: 5 mg/m <sup>3</sup> respirable fraction		TWA: 10 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable dust
Precipitated Calcium Carbonate 471-34-1			TWA: 10 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable dust
Dibutyl Phthalate 84-74-2	TWA: 5 mg/m <sup>3</sup> (vacated) TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	IDLH: 4000 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>
Dibutyltin Diacetyldiacetonate 22673-19-4	TWA: 0.1 mg/m <sup>3</sup> Sn (vacated) TWA: 0.1 mg/m <sup>3</sup> Sn (vacated) S*	STEL: 0.2 mg/m <sup>3</sup> Sn TWA: 0.1 mg/m <sup>3</sup> Sn S*	IDLH: 25 mg/m <sup>3</sup> Sn TWA: 0.1 mg/m <sup>3</sup> except Cyhexatin Sn

NIOSH IDLH *Immediately Dangerous to Life or Health*

**Other Information:** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Appropriate engineering controls**

**Engineering Controls** None under normal use conditions.

VaproLiqui-Flash™

**Issue Date** 2015.02.10

**Revision Date** 2018.08.22

**Revision Number** 3.01

**Individual protection measures, such as Personal Protection 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:** When using do not eat, drink or smoke. Avoid contact with skin, eyes or clothing. Wash hands thoroughly after handling. Regular cleaning of equipment, work area and clothing is recommended. Keep away from food, drink and animal feeding stuffs

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

- Physical state:** Past/Gel
- Appearance:** viscous
- Color:** black
- Odor:** mild
- Odor threshold:** No information available

<u>Property</u>	<u>Values</u>
pH	Not Applicable
Melting point/freezing point	No information available
Boiling point/boiling range	No information available
Flash point	> 100 °C / > 212 °F
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	1.45 - 1.60
Water solubility	insoluble
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

**SECTION 10 – STABILITY AND REACTIVITY**

- Reactivity** No data available
- Chemical stability** Stable under recommended storage conditions
- Possibility of hazardous reactions** None under normal processing
- Conditions to avoid** Extremes of temperature and direct sunlight
- Incompatible materials** Acids. Strong oxidizing agents.

VaproLiqui-Flash™

Issue Date 2015.02.10

Revision Date 2018.08.22

Revision Number 3.01

**Hazardous decomposition products**

None known based on information supplied.

**SECTION 11 – TOXICOLOGY INFORMATION**

**Information on likely routes of exposure**

**Product Information** May cause irritation.  
**Inhalation:** Avoid breathing vapors or mists.  
**Eye contact:** Avoid contact with eyes.  
**Skin contact:** Avoid contact with skin.  
**Ingestion:** Do not taste or swallow.

**Component Information**

Chemical Name	LD50/Oral	LD50/Dermal	Inhalation LC50
Precipitated Calcium Carbonate 471-34-1	= 6450 mg/kg (Rat)		
Dibutyl Phthalate 84-74-2	= 6300 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 15.68 mg/L (Rat) 4 hr
Stearic Acid 57-11-4		> 5 g/kg (Rabbit)	
Aminoethyl Aminoropyl Trimethoxy Silane 1760-24-3	= 7460 µL/kg (Rat)		

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** May cause irritation. May be harmful if swallowed.

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

**Sensitization** No information available.  
**Germ cell mutagenicity** No information available.  
**Carcinogenicity** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.  
**Reproductive toxicity** May damage fertility or the unborn child.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Target organ effects** Eyes, Respiratory system, Skin, Gastrointestinal tract (GI).  
**Aspiration hazard** No information available.

**Numerical measures of toxicity - Product Information**

**Unknown acute toxicity** 4.687287% of the mixture consists of ingredient(s) of unknown toxicity

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

**ATEmix (oral)** 8004 mg/kg  
**ATEmix (dermal)** 3133 mg/kg mg/l  
**ATEmix (inhalation-dust/mist)** 106.1 mg/l

VaproLiqui-Flash™

Issue Date 2015.02.10

Revision Date 2018.08.22

Revision Number 3.01

**SECTION 12: ECOLOGICAL INFORMATION**

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

Ecotoxicity

Chemical Name	Algae/aquatic Plants	Fish	Toxicity to microorganisms	Crustacea
Dibutyl Phthalate 84-74-2	1.2: 72 h Desmodesmus subspicatus mg/L EC50 0.4: 96 h Pseudokirchneriella subcapitata mg/L EC50 static	0.71 - 1.2: 96 h Pimephales promelas mg/L LC50 flow-through 0.31 - 5.45: 96 h Pimephales promelas mg/L LC50 static 1.24: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 1.24 - 5.3: 96 h Oncorhynchus mykiss mg/L LC50 static 1.38 - 1.74: 96 h Lepomis macrochirus mg/L LC50 flow-through 0.42 - 1.28: 96 h Lepomis macrochirus mg/L LC50 static	-	2.99: 48 h Daphnia magna mg/L EC50 Static 3.4: 48 h Daphnia magna mg/L EC50

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Chemical Name	Partition coefficient
dibutyl phthalate 84-74-2	5.38

Other adverse effects

No information available

**SECTION 13: DISPOSAL CONSIDERATIONS**

Waste treatment methods

**Waste Disposal**

Disposal should be in accordance with applicable local, regional, national and international regulations.

**Contaminated Packaging**

Do not reuse container.

**SECTION 14: TRANSPORTATION INFORMATION**

**DOT**  
**Marine pollutant** Not regulated by ground transportation.  
This product contains a chemical which is listed as a marine pollutant according to DOT and TDG.

**IMDG**  
**UN number** UN3082  
**UN proper shipping name** 3082 - Environmentally hazardous substances, liquid, n.o.s.  
**Transport hazard class(es)** 9  
**Packing group** III  
**Marine pollutant** This product contains a chemical which is listed as a marine pollutant according to IMDG/IMO

**SECTION 15: REGULATORY INFORMATION**

**International Inventories**

**TSCA** Complies  
**DSL/NDSL** Complies

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**US Federal Regulations**

**SARA 313**

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

Chemical Name	CAS No.	Weight %	SARA 313 – Threshold Values %
dibutyl phthalate 84-74-2	84-74-2	10 - 30	1.0

**SARA 311/312 Hazard Categories**

**Acute health hazard** Yes  
**Chronic Health Hazard** Yes  
**Fire hazard** No  
**Sudden release of pressure hazard** No  
**Reactive Hazard** No

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA – Reportable Quantities	CWA – Toxic Pollutants	CWA – Priority Pollutants	CWA – Hazardous Substances
dibutyl phthalate 84-74-2	10 lb	X	X	X

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substance RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
dibutyl phthalate 84-74-2	10 lb	-	RQ 10 lb final RQ RQ 4.54 kg final RQ

**US State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals

Chemical Name	California Proposition 65
dibutyl phthalate - 84-74-2	Developmental Female Reproductive Male Reproductive
Methanol - 67-56-1	Developmental

VaproLiqui-Flash™

**Issue Date** 2015.02.10

**Revision Date** 2018.08.22

**Revision Number** 3.01

**U.S. State Right-to-Know Regulations**

<b>Chemical Name</b>	<b>New Jersey</b>	<b>Massachusetts</b>	<b>Pennsylvania</b>
Limestone 1317-65-3	X	X	X
dibutyl phthalate 84-74-2	X	X	X
Quartz 14808-60-7	X	X	X
Bis (2-ethylhexyl) adipate 103-23-1	X	X	X

**SECTION 16: OTHER INFORMATION**

<b><u>NFPA</u></b>	<b>Health hazards 2</b>	<b>Flammability 1</b>	<b>Instability 0</b>	<b>Physical and chemical properties</b>
<b><u>HMIS</u></b>	<b>Health hazards 2</b>	<b>Flammability 1</b>	<b>Physical hazards 0</b>	<b>Personal protection X</b>

**Prepared By** Regulatory Department  
**Issuing Date** 10-Feb-2015  
**Revision date** 22-Aug-2018  
**Revision Note**  
 SDS sections updated 2018.08.22

**Disclaimer**

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 a 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**