

VaproAirSeal

Issue Date 2018.11.13

Revision Date: 2020.02.07

Revision Number 3.0

SECTION 1 – PRODUCT IDENTIFICATION

Product Identifier

Product Name: VaproAirSeal

Other means of identification

Other Names/Synonyms: Part No. 60509500

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 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 INFOTRAC :

US & Canada: 1-800-535-5053

International: + 1-352-323-3500

SECTION 2 - HAZARDS IDENTIFICATION

Classification: This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin sensitivity	Category 1
Serious eye damage/eye irritation	Category 2A
Carcinogenicity	Category 1A
Reproductive toxicity	Category 1B

Label Elements

EMERGENCY OVERVIEW:

Danger

Hazard statements

Causes serious eye irritation; May cause an allergic skin reaction; May cause cancer, May damage fertility or the unborn child



Appearance: viscous

Physical state: Paste/Gel

Odor: Mint-like

PRECAUTIONARY STATEMENTS:

PREVENTION: Wash hands thoroughly after handling. Do not breathe vapors/fumes. Do not eat, drink or smoke while using this product. Use in a well ventilated area. Wear impervious gloves/protective clothing/eye protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Contaminated work clothing must not be allowed out of the workplace.

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RESPONSE: If on skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center/doctor. If swallowed: Rinse mouth. Do NOT induce vomiting. Get medical advice/attention if you feel unwell. If exposed or concerned: Get medical advice/attention.

STORAGE: Store locked up. Store in a well-ventilated place. Keep container tightly closed.

DISPOSAL: Dispose of contents/container in a well-ventilated place. Keep container tightly closed.

Hazards not otherwise classified (HNOC): Not applicable

Unknown Acute Toxicity

34.2% of the mixture consists of ingredient(s) of unknown toxicity

SECTION 3 - COMPOSITION/INFORMATION

Component	CAS-No.	*Weight - %
Calcium Carbonate**	1317-65-3	30-60*
Silyl Terminated Polyethers	Proprietary	10-30*
Trimethoxyvinylsilane	2768-02-7	0.5 – 1.5*
Aminoalkoxysilane	1760-24-3	0.5 – 1.5*
Dibutyltin bis(acetylacetonate)	22673-19-4	0.1 – 1.0*
Crystalline Silica, Quartz**	14808-60-7	0.1 – 1.0*

**Inhalation of particulates unlikely due to product's physical state.

*Means that the component will fall into one of the ranges specified due to batch-to-batch variability and to protect Confidential Business Information.

SECTION 4 - FIRST AID MEASURES

Description of First Aid Measures:

General advice	Show this safety data sheet to the doctor in attendance.
Eye contact	Rinse immediately with plenty of water, also under the eyelids for at least 15 minutes. After initial flushing, remove any contact lenses and continue flushing. Keep eye wide open while rinsing. Get medical attention if irritation develops and persists. Do not rub affected area.
Skin Contact	In case of contact, immediately flush skin with plenty of soap and water. For minor skin contact, avoid spreading material on unaffected skin. If skin irritation or rash occurs: get medical attention/advice. Take off contaminated clothing and wash before reuse.
Inhalation	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
Ingestion	May be harmful if swallowed. Ingestion may cause discomfort and/or distress, nausea or vomiting.
Self-protection of the first aider	Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

Indication of Immediate Medical Attention and Special Treatment Needed:

Note to Physicians Symptoms may not appear immediately.

Specific Treatments In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

SECTION 5 - FIRE-FIGHTING MEASURES

Flammability – Not Flammable/Not Combustible by WHMIS/OSHA HAZCOM2012 Criteria

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 – Product is or contains a sensitizer; may cause sensitization by skin contact. Uniform Fire Code Sensitizer: Liquid

Hazardous Combustion Products – By heating and fire, harmful vapors/gases may be formed. Nitrogen Oxides(corrosive)

Explosion Data – Sensitivity to Mechanical Impact: Not available Sensitivity to Static Discharge: Not available

Protective Equipment and Precautions for Firefighters – Keep upwind of fire. Wear full firefighting turn-out gear (full bunker gear and respiratory protection (SCBA)).

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Methods and material for containment and cleanup

Methods for containment: Recover all usable material. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for cleaning up: Dispose of unwanted material properly in accordance with all local, regional, national and international regulations.

SECTION 7 - HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling: Use in well-ventilated areas. Wear impervious gloves and eye protection. Do not mix with other chemical products, except as indicated by the manufacturers. Do not get in eyes. Do not get on skin or clothing. Do not breathe vapors/fumes. Do not take internally.

General Hygiene Advice: Use good industrial hygiene practices and wear recommended personal protection. Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

Conditions for safe storage, including any incompatibilities

Storage Conditions: Store locked up. Keep out of the reach of children. Keep container tightly closed. Store at room temperature and keep containers closed when not in use

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	PEL (OSHA)	TLV (ACGIH)
Calcium Carbonate** 1317-65-3	5 mg/m ³ (Resp.) 15 mg/m ³ (Total)	5 mg/m ³ (Resp.)
Silyl Terminated Polyethers	Not Available	Not Available
Trimethoxyvinylsilane	Not Available	Not Available
Aminoalkoxysilane	Not Available	Not Available
Dibutyltin bis(acetylacetonate)	0.1 mg/m ³	0.1 mg/m ³ Sn
Crystalline Silica, Quartz**	0.05 mg/m ³	0.025 mg/m ³ (Resp.)

**Inhalation of particles unlikely due to product's physical state.

Exposure Controls

Engineering Controls Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Individual Protection Measures

Personal Protection Equipment:

Eye/Face Protection: Wear approved eye protection [properly fitted dust- or splash-proof chemical safety goggles/face (face shield)]

Skin Protection: Hand Protection: Wear impervious gloves, such as nitrile.
Body Protection: Wear suitable protective clothing.

Respiratory Protection: A NIOSH approved respirator or filtering face piece, such as N95, is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2).

General Health and Safety Measures: Handle according to established industrial hygiene and safety practices.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical Form: Opaque Paste
Appearance: viscous
Color: White
Odor: Mint-like
Odor threshold: Mild

<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	No information available
Evaporation rate	No information available
Flammability (solid, gas)	No information available

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Flammability Limits in Air	No information available
Upper flammability limits	No information available
Lower flammability limit	No information available
Vapor pressure	No information available
Vapor density	No information available
Relative Density	1.60 – 1.80 g/mL
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
Explosive properties	No information available
Oxidizing properties	No information available
Other Information	
Softening point	No information available
VOC Content (g/L)	<10 g/L
Particle size	No information available
Particle size distribution	No information available

SECTION 10 – STABILITY AND REACTIVITY

<u>Reactivity</u>	No dangerous reaction known under conditions of normal use.
<u>Chemical stability</u>	Stable under normal storage conditions. Keep dry in storage.
<u>Possibility of hazardous reactions</u>	No dangerous reaction known under conditions of normal use.
<u>Conditions to avoid</u>	Heat. Incompatible materials.
<u>Incompatible materials</u>	Strong oxidizing agents. Water and moisture..
<u>Hazardous decomposition products</u>	Carbon oxides. Nitrogen Oxides (NOx). Aldehydes. Methanol.

SECTION 11 – TOXICOLOGY INFORMATION

Likely routes of exposure Skin contact, eye contact, inhalation, and ingestion.

Symptoms Related to Physical/Chemical/Toxicological Characteristics:

- Eye Contact:** Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
- Skin Contact:** May cause skin irritation. Handling can cause dry skin, discomfort, irritation, and dermatitis. May cause an allergic skin reaction.
- Inhalation:** May cause respiratory tract irritation. May cause damage to organs through prolonged or repeated exposure. This product contains crystalline silica. Prolonged or repeated inhalation of respirable crystalline silica from this product can cause silicosis, a serious disabling and fatal lung disease.
- Ingestion:** May be harmful if swallowed. Ingestion may cause discomfort and/or distress, nausea or vomiting.

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Acute Toxicity (ATE_{mix}= 7,112 mg/kg)		
Chemical Name	LD50/Oral	LC50
Calcium Carbonate	= 6450 mg/kg (Rat)	Not Available
Silyl Terminated Polyethers	Not Available	Not Available
Trimethoxyvinylsilane	>7,000 mg/kg (Rat)	Not Available
Aminoalkoxysilane	>7,500 mg/kg (Rat)	Not Available
Dibutyltin bis (acetylacetonate)	1,864 mg/kg (Rat)	Not Available
Crystalline Silica, Quarts	>10,000 mg/kg (Rat)	Not Available

Carcinogenicity	
Chemical Name	Chemical Listed as Carcinogens or Potential Carcinogen (NTP, IARC, OSHA, ACGIH, CP65)
Calcium Carbonate	Not Listed
Silyl Terminated Polyethers	Not Listed
Trimethoxyvinylsilane	Not Listed
Aminoalkoxysilane	Not Listed
Dibutyltin bis (acetylacetonate)	Not Listed
Crystalline Silica, Quarts	N-2, I-1, O-1, ACGIH-A2, CP65

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

Short-Term	
Skin Corrosion/Irritation:	May cause skin irritation
Serious Eye Damage/Irritation:	Causes serious eye irritation
Respiratory Sensitization:	Not Classified
Skin Sensitization:	May cause an allergic skin reaction
STOT-Single Exposure:	May cause respiratory irritation
Aspiration Hazard:	Not Classified

Long-Term	
Carcinogenicity:	May cause cancer
Germ Cell Mutagenicity:	Not Classified
Reproductive Toxicity:	May damage fertility or the unborn child
STOT-Repeated Exposure:	Not Classified
Synergistic/Antagonistic Effects:	Not Classified
Carcinogenicity:	May cause cancer

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity

May cause long-term adverse effects to the aquatic environment. Keep from entry into sewers and waterways.

Chemical Name	EC50/NOEC-48 Hours	LC50/NOEC-96 Hours
Calcium Carbonate	Not Available	Not Available
Silyl Terminated Polyethers	Not Available	Not Available
Trimethoxyvinylsilane	168.7 mg/L, Daphnia magna	597 mg/L, Brachydanio rerio
Aminoalkoxysilane	81 mg/L, Daphnia magna	597 mg/L, Brachydanio rerio
Dibutyltin bis(acetylacetonate)	0.0036 mg/L, Daphnia magna	Not Available
Crystalline Silica, Quartz	Not Available	Not Available

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in Soil

No information available.

Other adverse effects

No information available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste Disposal:

Dispose of contents/containers in accordance with all local, state, provincial, and federal regulations.

Other Disposal Considerations: Not Available.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

SECTION 14 - TRANSPORTATION INFORMATION

DOT (U.S.)	TDG (Canada)	IATA
UN NUMBER: Not Regulated	UN NUMBER: Not Regulated	UN NUMBER: Not Regulated
UN PROPER SHIPPING NAME: Not Regulated	UN PROPER SHIPPING NAME: Not Regulated	UN PROPER SHIPPING NAME: Not Regulated
TRANSPORT HAZARD CLASS (ES): Not Regulated	TRANSPORT HAZARD CLASS (ES): Not Regulated	TRANSPORT HAZARD CLASS (ES): Not Regulated
PACKING GROUP (if applicable): Not Regulated	PACKING GROUP (if applicable): Not Regulated	PACKING GROUP (if applicable): Not Regulated

Summary: Product is NOT regulated under DOT/TDG and other transportation regulations.

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Environmental Hazards

Not Available

Transportation in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not Available

Special Precautions for USER

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

SECTION 15 - REGULATORY INFORMATION

Safety, Health and Environmental Regulations/Legislations Specific for the Chemical


Canada: This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations and the SDS contains all the information required by the Hazardous Products Regulations.

US: SDS prepared pursuant to the Hazard Communication Standard (29 CFR 1910.1200) HazCom 2012

U.S. Federal Information

SARA Title III				
Chemical Name	Section 302 (EHS) TPQ (LBS)	Section 304 EHS RQ (LBS)	CERCLA RQ (LBS)	Section 313 (TRI)
Calcium Carbonate	Not Listed	Not Listed	Not Listed	Not Listed
Silyl Terminated Polyethers	Not Listed	Not Listed	Not Listed	Not Listed
Trimethoxyvinylsilane	Not Listed	Not Listed	Not Listed	Not Listed
Aminoalkoxysilane	Not Listed	Not Listed	Not Listed	Not Listed
Dibutyltin bis(acetylacetonate)	Not Listed	Not Listed	Not Listed	Not Listed
Crystalline Silica, Quartz	Not Listed	Not Listed	Not Listed	Not Listed

US State Right to Know Laws

California Proposition 65:	 WARNING: This product can expose you to chemicals including crystalline silica, which is known to the State of California to cause cancer, and methanol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
Other U.S. States "Right to Know" Lists:	Calcium Carbonate: CAS#1317-65-3 Silyl Terminated Polyethers: CAS# N/A Trimethoxyvinylsilane: CAS#2768-02-7 Aminoalkoxysilane: CAS#1760-24-3 Dibutyltin bis(acetylacetonate): CAS#22673-19-4 Crystalline Silica, Quartz: CAS#14808-60-7

Global Inventories

Chemical Name	USA TSCA	Canada DSL/NDSL
Methyltri(ethylmethylketoxime) silane	Yes	DSL
Aminoalkoxysilane	Yes	DSL
Octamethylcyclotetrasiloxane	Yes	DSL
Crystalline Silica, Quartz	Yes	DSL

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NFPA and HMIS Ratings

HEALTH HAZARD
4 - Deadly
3 - Extreme Danger
2 - Hazardous
1 - Slightly Hazardous
0 - Normal Material

FIRE HAZARD
Flash Points
4 - Below 73° F
3 - Below 100° F
2 - Below 200° F
1 - Above 200° F
0 - Will Not Burn

Acid.....ACID
Alkali.....ALK
Corrosive.....COR
Oxidizer.....OX
Radiation Hazard...☢
Use No Water.... ☹

SPECIFIC HAZARD

4 - May Detonate
3 - Shock and Heat May Detonate
2 - Violent Chemical Change
1 - Unstable if Heated
0 - Stable

INSTABILITY HAZARD

NFPA RATING
FLAMMABILITY

HEALTH

INSTABILITY

OTHER

Hazard Index	
4	Severe Hazard
3	Serious Hazard
2	Moderate Hazard
1	Slight Hazard

CHEMICAL NAME	PROTECTIVE EQUIPMENT GUIDE
2 HEALTH	A ☢ G ☢ ☢
0 FLAMMABILITY	B ☢ ☢ H ☢ ☢ ☢
0 INSTABILITY	C ☢ ☢ ☢ I ☢ ☢ ☢
X PROTECTIVE EQUIPMENT	D ☢ ☢ ☢ ☢ J ☢ ☢ ☢ ☢
	E ☢ ☢ ☢ ☢ ☢ K ☢ ☢ ☢ ☢ ☢
	F ☢ ☢ ☢ ☢ ☢ ☢ X Ask your supervisor for special handling instructions.

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Source Agency Carcinogen Classifications:

CP65	California Proposition 65
OSHA (O)	Occupational Safety and Health Administration
ACGIH (G)	American Conference of Governmental Industrial Hygienists <ul style="list-style-type: none"> • A1 – Confirmed human carcinogen • A2 – Suspected human carcinogen • A3 – Animal carcinogen • A4 – Not classifiable as a human carcinogen • A5 – Not suspected a human carcinogen
IARC (I)	International Agency for Research on Cancer <ul style="list-style-type: none"> • 1 – The agent (mixture) is carcinogenic to humans • 2A – The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals. • 2B – The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals. • 3 – The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans. • 4 – The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.
NTP (N)	National Toxicology Program <ul style="list-style-type: none"> • 1 – Known to be carcinogens • 2 – Reasonably anticipated to be carcinogens

SECTION 16 - OTHER INFORMATION

Prepared By

VaproShield, LLC, Phone: 253.851.8286, www.vaproshield.com

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