



VAPCO PRODUCTS, INC.

Safety Data Sheet Smooth Duct Sealant

SECTION 1: Identification

1.1 GHS Product identifier

Product name Smooth Duct Sealant

Product number SMDS, SMDS-E
Brand Vapco

1.3 Recommended use of the chemical and restrictions on use

Duct sealant

1.4 Supplier's details

Name Vapco Products, Inc.
Address 401 Marshall Road
Valley Park, Missouri 63088
United States

Telephone (636) 923-2121
Fax (636) 923-3002
email info@VapcoProducts.com

1.5 Emergency phone number

(800) 255-3924

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200, 2024)

- Carcinogenicity, Cat. 1B
- Eye damage/irritation, Cat. 2A
- Skin corrosion/irritation, Cat. 2
- Sensitization, skin, Cat. 1

2.2 GHS label elements, including precautionary statements

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Pictograms



Signal word

Warning

Hazard statement(s)

H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H350	May cause cancer

Precautionary statement(s)

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash hands thoroughly after handling.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P321	Specific treatment (see First Aid on this label).
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P405	Store locked up.
P501	Dispose of contents/container to the specifications of local, regional, national, and international regulations.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

1. Limestone

Concentration	40 - 50 % (weight)
CAS no.	1317-65-3

2. Ethyl acrylate

Concentration	5 - 10 % (weight)
EC no.	205-438-8
CAS no.	140-88-5
Index no.	607-032-00-X

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3. Titanium dioxide

Concentration	0.1 - 0.5 % (weight)
EC no.	236-675-5
CAS no.	13463-67-7
Index no.	022-006-00-2

4. Quartz (respirable dust)

Concentration	0.1 - 0.5 % (weight)
CAS no.	14808-60-7

5. Distillates (petroleum), solvent-dewaxed heavy paraffinic

Concentration	0.1 - 0.5 % (weight)
EC no.	265-169-7
CAS no.	64742-65-0
Index no.	649-474-00-6

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
If inhaled	First, take proper precautions to ensure your own safety before attempting rescue (e.g. wear appropriate respiratory protective equipment, use the buddy system), then remove the exposed person to fresh air. Keep at rest in a position comfortable for breathing. Get medical advice/attention.
In case of skin contact	Immediately drench affected area with water for at least 15 minutes. Remove contaminated clothing immediately. Obtain medical attention if irritation develops or persists.
In case of eye contact	Immediately rinse with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.
If swallowed	Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

4.2 Most important symptoms/effects, acute and delayed

Exposed individuals may experience eye tearing, redness and discomfort. Overexposure to vapors during application and curing may mildly irritate respiratory tract and result in coughing and sneezing.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Water spray, fog, carbon dioxide (CO₂), alcohol-resistant foam, dry chemical, or sand. Use appropriate media for surrounding fire.

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5.2 Specific hazards arising from the chemical

None known.

5.3 Special protective actions for fire-fighters

Precautionary Fire Measures: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use dry chemical, foam, or carbon dioxide (CO₂). Do not breathe fumes from fire or vapors from decomposition. Do NOT fight fire when fire reaches containers. Evacuate area. Fight fire remotely due to the risk of explosion. Shut off all sources of ignition. Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection. Wear NIOSH-approved Self-Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires.

Hazardous Combustion Products: None known based on information supplied.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

General Measures: Do not get in eyes, on skin, or on clothing. Do not breathe vapors, spray, mist, gas. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protective equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel. Stop leak if safe to do so.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedure: Eliminate ignition sources first, then ventilate the area. Evacuate unnecessary personnel, isolate, and ventilate area. Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

6.2 Environmental precautions

Minimize use of water to prevent environmental contamination. Prevent spill or rinse from contaminating storm drains, sewers, soil or groundwater. See Section 12 for additional ecological information.

6.3 Methods and materials for containment and cleaning up

For Containment: Ventilate the area. Contain any spills with dikes or absorbents to prevent further migration and entry into sewers or streams. As an immediate precautionary measure, isolate spill or leak area in all directions.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Eliminate all ignition sources. Ventilate area. Stop the ignition source of the release, if safe to do so. Consider the use of water spray to disperse vapors. Isolate the area until gas has dispersed. Ventilate and gas test area before entering. Take up liquid spill into absorbent material. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

Waste Disposal: Dispose of in accordance with local, regional, national, and international regulations. Containers may be hazardous when empty. Do not flame cut, braze, or weld. Product should be fully characterized prior to disposal (40 CFR 261).

Reference to other sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Precautions for Safe Handling: Do not handle until all safety precautions have been read and understood. Avoid contact with skin, eyes and clothing. Do not breathe gas, mist, spray, vapors. Wash hands and other exposed

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areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not spray on open flame or other ignition source.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

Other Precautions: Keep out of reach of children. Follow label instructions. Vapors may collect in low lying areas.

7.2 Conditions for safe storage, including any incompatibilities

Technical Measures: Comply with applicable regulations. Proper grounding procedures to avoid static electricity should be followed.

Storage Conditions: Store in a dry, cool place. Keep only in the original container in a cool, well-ventilated place away from ignition sources. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store locked up/in a secure area.

Incompatible Materials: Strong oxidizing agents.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Limestone (CAS: 1317-65-3)

PEL [Calcium Carbonate -Total dust] (Inhalation): 15 mg/m³; US (US/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL [Calcium Carbonate -Total dust] (Inhalation): 10 mg/m³; US (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

REL [Calcium Carbonate -Total dust] (Inhalation): 10 mg/m³; US (NIOSH)

OSHA Annotated Table Z-1, www.osha.gov

PEL [Calcium Carbonate -Respirable fraction] (Inhalation): 5 mg/m³; US (US/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL [Calcium Carbonate -Respirable fraction] (Inhalation): 5 mg/m³; US (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

REL [Calcium Carbonate -Respirable fraction] (Inhalation): 5 mg/m³; US (NIOSH)

OSHA Annotated Table Z-1, www.osha.gov

2. Ethyl acrylate (CAS: 140-88-5)

TWA (Inhalation): 5 Peak limitation ppm; 20 Peak limitation mg/m³; AU (AU/SWA)

Other advisory: Sen

IOELV-LTEL [Ethylacrylate] (Inhalation): 21 mg/m³; EU (EU/OSHA)

List no. 3 under Council Directive 98/24/EC as amended. List last updated on 8/29/2023.

IOELV-LTEL [Ethylacrylate] (Inhalation): 5 ppm; EU (EU/OSHA)

List no. 3 under Council Directive 98/24/EC as amended. List last updated on 8/29/2023.

IOELV-STEEL [Ethylacrylate] (Inhalation): 42 mg/m³; EU (EU/OSHA)

List no. 3 under Council Directive 98/24/EC as amended. List last updated on 8/29/2023.

IOELV-STEEL [Ethylacrylate] (Inhalation): 10 ppm; EU (EU/OSHA)

List no. 3 under Council Directive 98/24/EC as amended. List last updated on 8/29/2023.

PEL (Inhalation): 25 ppm; US (US/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 100 mg/m³; US (US/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

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PEL (Inhalation): 5 ppm, (ST) 25 ppm; US (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): Ca, See Appendix A; US (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

3. Titanium dioxide (CAS: 13463-67-7)

TWA (Inhalation): 10 mg/m³; AU (AU/SWA)

Notes: (a)

PEL [Titanium dioxide - Total dust] (Inhalation): 15 mg/m³; US (US/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL [Titanium dioxide - Total dust] (Inhalation): See PNOR; US (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL [Titanium dioxide - Total dust] (Inhalation): Ca, (ultrafine particles), 2.4 mg/m³ (fine), 0.3 mg/m³ (ultrafine),
See Appendix A, See NIOSH Intelligence Bulletin 63; US (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

4. Quartz (respirable dust) (CAS: 14808-60-7)

TWA (Inhalation): 0.05 mg/m³; AU (AU/SWA)

Advisory carc cat: Carc. 1A; Other advisory: - ; Notes: See Silica - Crystalline

PEL [Quartz: see 1910.1053(m)] (Inhalation): 0.05 mg/m³, (See Sections 1532.3 & 5204); US (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL [Quartz: see 1910.1053(m)] (Inhalation): Ca, 0.05 mg/m³, See Appendix A; US (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

8.2 Appropriate engineering controls

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Use explosion-proof equipment. Proper grounding procedures to avoid static electricity should be followed. Use only outdoors or in well-ventilated area. Ensure all local, regional, national, and international regulations are being observed. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Chemical safety goggles. Insufficient ventilation: wear respiratory protection. Respiratory protection of the dependent type.

Skin protection

Wear protective gloves and clothing.

Body protection

Wear suitable protective clothing. Wear protective gloves. Chemical resistant materials and fabrics. Wear fire/flame resistant/retardant clothing.

Respiratory protection

Use a NIOSH-approved Self-Containing Breathing Apparatus whenever exposure may exceed established Occupational Exposure Limits.

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SECTION 9: Physical and chemical properties

Basic physical and chemical properties

Physical state	Liquid
Appearance	Caulk material
Color	Grey or white
Odor	N/D
Odor threshold	N/A
Melting point/freezing point	N/D
Boiling point or initial boiling point and boiling range	N/D
Flammability	N/D
Lower and upper explosion limit/flammability limit	N/D
Flash point	N/D
Auto-ignition temperature	N/D
Decomposition temperature	N/D
pH	N/A
Kinematic viscosity	N/D
Solubility	Soluble in water
Partition coefficient n-octanol/water (log value)	N/D
Vapor pressure	N/D
Evaporation rate	N/D
Density and/or relative density	N/D
Relative vapor density	N/D

SECTION 10: Stability and reactivity

10.1 Reactivity

Not reactive under normal conditions.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Silica will dissolve in hydrofluoric acid producing a corrosive gas, silicon tetrafluoride. Hazardous polymerization does not occur.

10.4 Conditions to avoid

Incompatible materials, excessive heat or cold.

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition products

None known based on information provided.

SECTION 11: Toxicological information

Information on toxicological effects

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Acute toxicity

Titanium(IV) oxide

LD50 Oral - Rat - >10000 mg/kg

LD50 Skin - Rabbit - >10000 mg/kg

Skin corrosion/irritation

May cause an allergic skin reaction. Causes mild skin irritation. Prolonged and frequent contact may cause redness and irritation. Repeated skin contact may cause dermatitis.

Serious eye damage/irritation

Eye contact may result in tearing, redness and pain.

Respiratory or skin sensitization

Overexposure to vapors during application and curing may mildly irritate respiratory tract and result in coughing and sneezing. May cause an allergic skin reaction.

Germ cell mutagenicity

No data available.

Carcinogenicity

Suspected of causing cancer. Silica (quartz) is a possible carcinogen when it appears as a respirable dust. Titanium dioxide is a possible carcinogen when it appears as a respirable dust. The component below belongs to the petroleum family, which has been shown to contain carcinogenic substances depending on the level of refinement. The carcinogen classification need not apply when the substance contains less than 3% dimethyl sulfoxide extract, as is the case with this product.

Reproductive toxicity

No data available.

Specific target organ toxicity (STOT) - single exposure

No data available.

Specific target organ toxicity (STOT) - repeated exposure

No data available.

Aspiration hazard

The ATE (gas inhalation) of the mixture is: 45000 ppmV.

The ATE (oral) of the mixture is: 5000 mg/kg bw.

SECTION 12: Ecological information

Toxicity

Titanium(IV) oxide

EC50 - Daphnia magna (water flea) - >1000 mg/l - 48 hrs

LC50 - Other fish - >1000 mg/l - 96 hrs

Persistence and degradability

Not determined.

Bioaccumulative potential

Not determined.

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Mobility in soil

Not determined.

Other adverse effects

Harmful to aquatic life with long lasting effects. Environmental Exposure Controls: Should be maintained so as to prevent release to the environment (atmospheric release, release to waterways and spills).

SECTION 13: Disposal considerations

Disposal methods

Product disposal

Dispose of contents/container in accordance with local, regional, national, and international regulations. Do not pierce or burn, even after use.

Waste treatment

RCRA Waste U113 - Ethyl acetate (CAS No. 140-88-5).

Other disposal recommendations

Container may remain hazardous when empty. Continue to observe all precautions. Do not puncture or incinerate container. Product should be fully characterized prior to disposal.

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

California Prop. 65 components

Chemical name: Ethyl acrylate

CAS number: 140-88-5

California Proposition 65 Chemicals List

WARNING: This product can expose you to chemicals including Ethyl acrylate, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Massachusetts Right To Know Components (105 CMR 670)

Chemical name: CALCIUM CARBONATE

CAS number: 1317-65-3

Chemical name: 2-PROPENOIC ACID, ETHYL ESTER

CAS number: 140-88-5

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Chemical name: TIN DIOXIDE DUST
CAS number: 13463-67-7

Chemical name: QUARTZ
CAS number: 14808-60-7

Massachusetts Toxic Use Reduction Act (TURA) list

Chemical name: Ethyl acrylate
CAS number: 140-88-5

New Jersey Right To Know Components

Common name: CALCIUM CARBONATE
CAS number: 1317-65-3

Common name: ETHYL ACRYLATE
CAS number: 140-88-5

Common name: TITANIUM DIOXIDE
CAS number: 13463-67-7

Common name: SILICA, QUARTZ
CAS number: 14808-60-7

Pennsylvania Right To Know Components

Chemical name: LIMESTONE
CAS number: 1317-65-3

Chemical name: 2-PROPENOIC ACID, ETHYL ESTER
CAS number: 140-88-5

Chemical name: TITANIUM OXIDE (TiO₂)
CAS number: 13463-67-7

Chemical name: QUARTZ (SiO₂)
CAS number: 14808-60-7

US EPA TSCA public inventory

Chemical name: Limestone
CAS number: 1317-65-3

Chemical name: Ethyl acrylate
CAS number: 140-88-5

Chemical name: Titanium dioxide
CAS number: 13463-67-7

Chemical name: Quartz (respirable dust)
CAS number: 14808-60-7

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Chemical name: Distillates (petroleum), solvent-dewaxed heavy paraffinic
CAS number: 64742-65-0

SECTION 16: Other information

N/A = Not applicable; N/D = Not determined

16.1 Further information/disclaimer

To the best of our knowledge, information contained herein is accurate. However there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions of handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this SDS. The user is responsible for full compliance.

16.2 Preparation information

Prepared by: Jessica Wilson
Date prepared: 3-13-2025

