



VAPCO PRODUCTS, INC.

**Safety Data Sheet
UL 20S Grey Smooth Duct Sealant**

SECTION 1: Identification

GHS Product identifier

Product name	UL 20S Grey Smooth Duct Sealant
Product number	20S-1
Brand	Vapco

Recommended use of the chemical and restrictions on use
Duct Sealant

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

Emergency phone number

(800) 255-3924

SECTION 2: Hazard identification

Classification of the substance or mixture

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

- Carcinogenicity, Cat. 1A
- Skin corrosion/irritation, Cat. 2

GHS label elements, including precautionary statements

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Pictogram



Signal word

Warning

Hazard statement(s)

H317

H351

May cause an allergic skin reaction

Suspected of causing cancer

Precautionary statement(s)

P201

P202

P261

P272

P280

P302+P352

P305+P351+P338

P308+P313

P321

P332+P313

P333+P313

P363

P405

P501

Obtain special instructions before use.

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

Avoid breathing dust/fume/gas/mist/vapors/spray.

Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves.

IF ON SKIN: Wash with plenty of water and soap.

IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses if present and easy to do. Continue rinsing.

IF exposed or concerned: Get medical advice/attention.

Specific treatment (see First Aid on this label).

If skin irritation occurs: Get medical advice/attention.

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

Store locked up.

Dispose of contents/container to an approved waste disposal plant.

Other hazards which do not result in classification

Harmful to aquatic life with long lasting effects.

SECTION 3: Composition/information on ingredients

Mixtures

Please also refer to subsequent sections of this SDS for additional information regarding the components of this product.

Hazardous components

1. Limestone

Concentration

40 - 50 % (weight)

EC no.

215-279-6

CAS no.

1317-65-3

2. ETHYL ACRYLATE (INHIBITED)

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(IV) oxide

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

4. Silica, crystalline

Concentration	0.1 - 0.5 % (weight)
EC no.	238-878-4
CAS no.	14808-60-7

5. Distillates (petroleum), solvent -dewaxed heavy paraffinic, if they contain > 3 % w/w DMSO extract

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

Trade secret statement (OSHA 1910.1200(i))

If chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

SECTION 4: First-aid measures

Description of necessary first-aid measures

General advice	Provide this SDS to medical personnel for treatment.
If inhaled	Remove exposed individual(s) to fresh air for 20 minutes. Consult a physician/poison center if individual's condition declines or if symptoms persist.
In case of skin contact	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
In case of eye contact	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 swallowed	Rinse mouth. Do not induce vomiting without medical advice. Get medical advice/attention.

Most important symptoms/effects, acute and delayed

Symptoms: 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.

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

Notes to Physician: Provide general supportive measures and treat symptomatically.

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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: N/D

Specific hazards arising from the chemical

Product is not flammable.

Special protective actions for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Use water spray to keep fire-exposed containers cool.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Wear protective clothing as described in Section 8 of this safety data sheet.

For Emergency Responders: Restrict access to spill area.

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.

Methods and materials for containment and cleaning up

Methods for Containment: Prevent further leakage or spillage if safe to do so. Use absorbent material to contain spill.

Methods for Clean-Up: Sweep up absorbed material and shovel into suitable containers for disposal. Wash area with soap and water. For waste disposal, see Section 13 of the SDS.

SECTION 7: Handling and storage

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves. Keep out of the reach of children. Use with adequate ventilation.

Conditions for safe storage, including any incompatibilities

Storage Conditions: Keep container tightly closed and store in a cool, dry and well-ventilated place. Store locked up.

Incompatible Materials: Strong oxidizing agents.

SECTION 8: Exposure controls/personal protection

Control parameters

CAS: (not specified)

Titanium(IV) oxide

Cal/OSHA: 5 mg/m³ (Resp), 10 mg/m³ (Total) PEL inhalation; OSHA: 5 mg/m³ (Resp), 15 mg/m³ (Total) PEL inhalation

CAS: 1317-65-3

Limestone

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Cal/OSHA: see PNOR PEL inhalation; 10 mg/m³ PEL inhalation; 5 mg/m³ PEL inhalation; see PNOR PEL inhalation; 10 mg/m³ PEL inhalation; 5 mg/m³ PEL inhalation; See PNOR PEL inhalation; 10 mg/m³ PEL inhalation; 5 mg/m³ PEL inhalation; NIOSH: 10 mg/m³ REL inhalation; 5 mg/m³ REL inhalation; 10 mg/m³ REL inhalation; 5 mg/m³ REL inhalation; 10 mg/m³ REL inhalation; 5 mg/m³ REL inhalation; OSHA: 15 mg/m³ PEL inhalation; 5 mg/m³ PEL inhalation; 15 mg/m³ PEL inhalation; 5 mg/m³ PEL inhalation; 15 mg/m³ PEL inhalation; 5 mg/m³ PEL inhalation

CAS: 13463-67-7

Titanium(IV) oxide

ACGIH: 10 mg/m³ TLV® inhalation; Cal/OSHA: See PNOR PEL inhalation; NIOSH: Ca, (ultrafine particles), 2.4 mg/m³ (fine), 0.3 mg/m³(ultrafine), See Appendix A, See Appendix C REL inhalation

CAS: 140-88-5

ETHYL ACRYLATE (INHIBITED)

Cal/OSHA: 5 ppm, (ST) 25 ppm PEL inhalation; NIOSH: Ca, See Appendix A REL inhalation; OSHA: 25 ppm PEL inhalation; 100 mg/m³ PEL inhalation

CAS: 14808-60-7 (EC: 238-878-4)

Silica, crystalline

ACGIH: 0.025 mg/m³ (resp.) for α-quartz and cristobalite TLV® inhalation; Cal/OSHA: 0.05 mg/m³ PEL inhalation; NIOSH: Ca 0.05 mg/m³ REL inhalation; OSHA: 10 mg/m³ / (% Silica + 2) respirable 30 mg/m³ / (% Silica + 2) total PEL-TWA inhalation

Appropriate engineering controls

Apply technical measures to comply with the occupational exposure limits. Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the SDS. Ensure that eyewash stations and safety showers are close to the workstation location.

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

Eye/face protection

Use approved safety goggles or safety glasses. If necessary, refer to appropriate regulations and standards. Refer to 29 CFR 1910.133 for eye and face protection regulations.

Skin protection

Skin: Wear chemical impervious gloves (eg: Nitrile or Neoprene). Use triple gloves for spill response. If necessary, refer to appropriate regulations & standards.

Body: Use protection appropriate for task (eg: lab coat, coveralls, Tyvek suit). If necessary, refer to OSHA Technical Manual (Sec. VII: Personal Protective Equipment). Use foot protection, as described in appropriate regulations & standards.

Respiratory protection

If mists or sprays are created, use appropriate respiratory protection. Oxygen levels below 19.5% considered IDLH by OSHA. In such instances, use full-facepiece pressure demand SCBA or a full facepiece, supplied air respirator w/ auxillary self-contained air supply.

SECTION 9: Physical and chemical properties and safety characteristics

Basic physical and chemical properties

Physical state	Liquid
Appearance	N/D
Color	N/D

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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	N/D
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

Particle characteristics

N/D

Supplemental information regarding physical hazard classes

N/D

Further safety characteristics (supplemental)

N/D

SECTION 10: Stability and reactivity

Reactivity

Not reactive under normal conditions.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

Silica will dissolve in hydrofluoric acid producing a corrosive gas, silicon tetrafluoride.

Hazardous Polymerization: Hazardous polymerization does not occur.

Conditions to avoid

Incompatible Materials. Excessive heat or cold.

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

None known based on information supplied.

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SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Titanium(IV) oxide

LD50 Oral - Rat - > 10,000 mg/kg

LD50 Skin - Rabbit - > 10,000 mg/kg

EC50 - Daphnia magna (water flea) - > 1,000 mg/l - 48 h

LC50 - Other fish - > 1,000 mg/l - 96 h

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 & pain.

Respiratory or skin sensitization

Overexposure to vapors during application & curing may mildly irritate respiratory tract & result in coughing & 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.

STOT-single exposure

No data available.

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

Harmful to aquatic life with long lasting effects.

Titanium(IV) oxide

LD50 Oral - Rat - > 10,000 mg/kg

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LD50 Skin - Rabbit - > 10,000 mg/kg
EC50 - Daphnia magna (water flea) - > 1,000 mg/l - 48 h
LC50 - Other fish - > 1,000 mg/l - 96 h

Persistence and degradability

Not determined.

Bioaccumulative potential

Not determined.

Mobility in soil

Ethyl acrylate (CAS No. 140-88-5) Partition Coefficient 1.18

Other adverse effects

Environmental Exposure Controls: Should be maintained so as to prevent release to the environment (atmospheric release, release to waterways & spills)

SECTION 13: Disposal considerations

Disposal methods

Product disposal

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

Packaging disposal

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

Waste treatment

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

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

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

California Prop. 65 components

Chemical name: ETHYL ACRYLATE (INHIBITED)

CAS number: 140-88-5

07/01/1989 - Cancer

Chemical name: Silica, crystalline

CAS number: 14808-60-7

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10/01/1988 - Cancer

Titanium dioxide (airborne, unbound particles of respirable size)

WARNING! This product contains a chemical known to the State of California to cause cancer.

Titanium dioxide

CAS-No. 13463-67-7

WARNING! This product contains a chemical known to the State of California to cause cancer.

Quartz

CAS-No. 14808-60-7

Canadian Domestic Substances List (DSL)

Chemical name: 2-Propenoic acid, ethyl ester

CAS: 140-88-5

Chemical name: Titanium oxide

CAS: 51745-87-0

Chemical name: Titanium oxide (TiO₂)

CAS: 13463-67-7

Chemical name: Quartz (SiO₂)

CAS: 14808-60-7

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): Ethyl Acrylate (CAS No. 140-88-5): 1000 lbs.

Massachusetts Right To Know Components

Chemical name: Ethyl acrylate

CAS number: 140-88-5

Chemical name: Quartz

CAS number: 14808-60-7

New Jersey Right To Know Components

Common name: CALCIUM CARBONATE

CAS number: 1317-65-3

Common name: ETHYL ACRYLATE

CAS number: 140-88-5

Chemical name: Titanium dioxide

CAS number: 13463-67-7

Common name: SILICA, QUARTZ

CAS number: 14808-60-7

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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 dioxide

CAS number: 13463-67-7

Chemical name: Quartz

CAS number: 14808-60-7

SARA 311/312 Hazards

Acute Health Hazard, Chronic Health Hazard

SARA 313 Components

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: Ethyl acrylate (CAS No. 140-88-5): Weight % 5-10%. 0.1% Threshold Values %

SECTION 16: Other information

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

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.

Preparation information

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Date prepared: 2/8/2024