

SAFETY DATA SHEET



Quality • Innovation • Service

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Certi-Vex Penseal CT

Other Means of Identification

SDS #: 20-033V

Recommended Use: Concrete Curing Compound

Restrictions on Use: No Data

Supplier of the Safety Data Sheet including Address:

ChemMasters Inc.
300 Edwards Street
Madison, OH 44057

Telephone Numbers

Company Phone Number

Phone: 800-486-7866, 440-428-2105

Fax: 440-428-7091

Emergency Telephone:

ChemTrec 800-424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards:

Flammable Liquid. Causes Skin Irritation, Causes Eye Irritation, Harmful If Swallowed, Harmful If Inhaled

Target Organs: Eyes, Skin, Respiratory System

GHS Classification:

Flammable Liquid- Category 3

Skin Irritation- Category 2

Acute toxicity (oral)- Category 4

Acute toxicity (inhalation)- Category 4

Acute toxicity (dermal)- Category 4

Serious eye irritation- Category 2B

Label Elements, including precautionary statements

Pictograms:



Signal Word: Warning

Hazard Statements:

- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed
- H332 Harmful if inhaled
- H320 Causes eye irritation
- H315 Causes skin irritation.
- H312 Harmful in contact with skin.

Precautionary Statement(s)

Prevention:

- P210 Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
- P242 Use non-sparking tools.
- P261 Avoid breathing fume/mist/vapours/spray.
- P264 Wash hands and skin thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves/protective clothing/eye protection.

Response:

- P301+P317 IF SWALLOWED: Get medical help.
- P330 Rinse mouth.
- P304+P340+P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse affected areas with water.
- P332+P317 If skin irritation occurs: Get medical help.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P337+P317 If eye irritation persists: Get medical help.

Storage:

- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P235 Keep cool.
- P405 Store locked up.

Disposal:

- P501 Dispose of contents/container in accordance with local/regional/national regulations.

Hazards not otherwise classified: may cause skin irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component

Octyl triethoxy silane	CAS#: 35435-21-3	90-99%
Diethylaminoethanol	CAS#: 100-37-8	1-9%

Ingredients not listed on this safety data sheet are considered to be non-hazardous according to OSHA 1910.1200 or are not present above their cutoff levels. Where a range is displayed, the exact percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First Aid Measures

General Advice: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Inhalation: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. If not breathing, give artificial respiration. Consult a physician.

Eye Contact: 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 or attention.

Ingestion: IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If conscious, rinse mouth with water.

Skin Contact: Wash off with soap and plenty of water. If skin irritation occurs, get medical advice or attention.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Material is combustible. Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide for the surrounding fire.

Specific Hazards Arising from the Chemical: Do not use high volume water jet.

Hazardous Combustion Products: Carbon oxides, Silicon oxides, formaldehyde

Protective Equipment and Precautions for Firefighters

Wear self-contained breathing apparatus and full protective gear for firefighting.

Further Information: See Section 7 for safe handling and storage.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

In case of spill wear appropriate personal protective equipment during any cleanup and response activities. Avoid skin contact and inhalation. Non-sparking tools should be used.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and Material for Containment and Cleaning Up

Dike and contain spill with inert absorbent materials. Soak up with inert material and keep in suitable, closed containers for disposal. Dispose of in accordance with specified local/regional/national/international regulations for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

Conditions for Safe Storage, Including any Incompatibilities

General information: Keep container tightly closed in a dry and well ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep away from heat. Keep from freezing. Store this product above 50 degrees F/10 degrees C and below 95 degrees F/35 degrees C.

Safe Storage: No Additional Data

Incompatibilities: Strong oxidizing agents, explosives, gases

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines:

Component Exposure Limits

Triethoxyoctylsilane, CAS# 35435-21-3:

No workplace control parameters

Components of decomposition products:

Ethanol, CAS# 64-17-5: ACGIH STEL: 1000 ppm, NIOSH REL TWA 1000 ppm, OSHA Z-71 1000ppm

N,N-Diethylethanolamine CAS# 100-37-8

ACGIH TWA 2 ppm, NIOSH TWA 10 ppm 50mg/m3, OSHA TWA 10 ppm 50mg/m3

Appropriate Engineering Controls

Local Ventilation: Recommended

General Ventilation: Recommended

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection: Use proper protection – Safety Glasses as a minimum

Skin and Body Protection: Wash at mealtime and end of shift. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc.) and wash skin promptly upon any skin contact.

Respiratory Protection: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice. Wash hands before & after breaks and work day.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State

Appearance: Liquid

Color: Colorless to pale yellow

Odor: alcohol-like

Odor threshold: No Data

Property

Value

Remarks – Method

Vapor Pressure

Not Available

Vapor Density

Not Available

Relative Density

.875

pH:

Not Available

Melting/Freezing Point

Not Available

Solubility

Not Available

Evaporation Rate

Not Available

Flash Point

60 Degrees C

Closed Cup

Flammability Limits

Not Available

Flammability (Solid, gas)

Not Relevant

Auto Ignition Temperature	Not Relevant
Initial Boiling Point/Boiling Range	>65 Degrees C
Viscosity	1cSt

10. STABILITY AND REACTIVITY

Chemical Stability:

This product is chemically stable under recommended storage conditions.

Possibility of Hazardous Reactions:

Combustible Liquid. Vapors may form explosive mixture with air. Can react with strong oxidizing agents. When heated above 300 Degrees Fahrenheit in the presence of air, product can form formaldehyde vapors.

Conditions to Avoid:

Exposure to moisture, heat, flames, and sparks

Incompatible Materials:

Oxidizing agents and water

Hazardous Decomposition Products

Contact with humid air may form Ethanol. Thermal decomposition form Formaldehyde.

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Inhalation, Skin Contact, Eye Contact
(Ingestion is not a likely route of exposure under normal conditions of use.)

Symptoms of Exposure:

Causes skin irritation.

Numerical measures of toxicity:

Ingredient: Triethoxyoctylsilane:

LD50 Oral Rat: >5,110 mg/kg

LD50 Dermal Rabbit >6,730 mg/kg

N,N-Diethylethanolamine CAS# 100-37-8

LD50 Oral Rat 1320 mg/kg

LC50 Inhalation 4h 4.6mg/l

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure

Carcinogenicity: IARC, ACGIH, NTP, OSHA

Not Classified based on available information

Specific target organ toxicity: Not classified based on available information.

Respiratory Irritation: If material is misted or sprayed, inhalation of mist may cause irritation of mucous membranes and the upper respiratory tract.

12. ECOLOGICAL INFORMATION

Eco toxicity:

Toxicity to Daphnia and other aquatic invertebrates: EC50 >0.049 mg/l

Toxicity to algae: ErC50 >.13 mg/l

Persistence and Degradability: Not readily biodegradable. Biodegradation at 31.5% based upon OECD 301D

Bioaccumulation: log Pow 6.41 based upon OECD 117

Mobility: Not Determined.

Other Adverse Effects: Not Determined.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes: Disposal should be in accordance with applicable regional, national and local laws and regulations. Contact your supplier or a licensed contractor for detailed recommendations.

Contaminated Packaging: Dispose of as unused material.

14. TRANSPORT INFORMATION

D.O.T.: UN Number: UN 1263
Proper shipping name: Paint
Class: 3
Packing Group: III
ERG Code: 128
Marine Pollutant: No
Remarks: Above applies only to containers over 119 gallons or 450 liters.
Not regulated if shipped in packages less than or equal to 119 gal.

I.M.D.G.: UN1263, Paint, 3, III

I.A.T.A.: UN1263, Paint, 3, III

15. REGULATORY INFORMATION

International Inventories

TSCA: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

US Federal Regulations

SARA 302 (Extremely Hazardous Substances): None Known

SARA 311/312 Hazard Categories: Acute Health Hazard, Fire Hazard

SARA Section 313: This product contains the following components in concentrations greater than 0.1% for carcinogenic substances and/or 1.0% of the substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR 372: **None Known**

CWA (Clean Water Act): This product contains petroleum light aromatic and may be subject to regulation by Section 311 of the Clean Water Act and the Oil Pollution Act. Releases of the product into or leading to surface waters must be reported to the National Response Center at 1-800-424-8802.

Supplemental State Compliance Information

California: This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

State Right To Know:

<u>CAS Number</u>	<u>Component Name</u>	<u>State</u>
2943-75-1	Triethoxyoctylsilane	New Jersey, Pennsylvania
100-37-8	N,N-Diethylethanolamine	Pennsylvania

16. OTHER INFORMATION

HMIS Classification:

Health hazard: 2

Flammability: 2
Physical Hazards: 0

NFPA Rating:
Health hazard: 2
Fire: 2
Reactivity Hazard: 0

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet