

Safety Data Sheet

Issue Date 08/16/2002



SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Sure Seal S - Siloxane

Other means of identification

SDS # / Grade CP-1535

Recommended Use of the Chemical and Restrictions on Use

Relevant identified use(s) - Adhesive protective wood and concrete coating and sealant

Details of the Supplier of the Safety Data Sheet

Supplier Perk Products & Chemical Co.
42 Industry Street
Nashville, TN 37210

Emergency telephone number

Company Phone: (615) 242-6157

Emergency Phone: (800) 424-9300 – CHEMTREC

SECTION 2: HAZARDS IDENTIFICATION

Classification

Serious Eye Damage / Eye Irritation	Category 2
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Other hazards: Special Danger of slipping by leaking/spilling product. This preparation is not classified as hazardous

Signal Word N/A

Hazard Statements Causes serious eye irritation

Appearance: White **Physical State:** liquid **Odor:** Moderate aromatic

Precautionary Statements - Prevention

Obtain special instructions before use; do not use until all safety precautions have been read and understood

Do not ingest

Wash skin thoroughly with soap and water

Avoid contact with eyes and prolonged contact with skin

Precautionary Statements - Response

If exposed or concerned: Seek medical advice/attention

IF IN EYES: Flush with clean water for at least 10-15 minutes. Call a physician.

IF ON SKIN: Wash thoroughly with soap and water. If irritation develops, seek medical attention.

IF INDUCED INTERNALLY: Do not induce vomiting. Call a physician or poison control center immediately.

IF INHALED: Move to fresh air and avoid breathing fumes. Contact a physician if breathing becomes difficult.

Precautionary Statements – Storage

Keep container tightly closed

Precautionary Statements – Disposal

Dispose of contents/container to an approved waste disposal plant

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substances

N/A

Mixtures

Chemical Characterization

Emulsion of organ-modifying polysiloxans

Ingredient	Designation	Content	Classification
EINECS 200-578-6 CAS 64-17-5	Ethanol	<5%	EU: F; R11 CLP: Flam. Liq/ 2; H225.
EINECS 219-784-2 CAS 2530-83-8	[3-(2,3-Epoxypropoxy)propyl] -trimethoxysilane	<5%	EU: Xi; R41 CLP: Eye Dam. 1;H318
REACH 01-2119529238-36-xxxx EINECS 209-136-7 CAS 556-67-2	Octamethylcyclotetrasiloxane (impurity)	<3%	EU: Repr. Cat. 3; H226 CLP: Flam. Liq/ 3; H226 Repr. 2; H361f. Aquatic Chronic 4; H413

SECTION 4: FIRST AID MEASURES

First Aid Measures**General Advice**

If exposed or concerned: Get medical advice/attention

Eye Contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation occurs.

Skin Contact

Remove mechanically with cloth or paper. Thoroughly wash skin with soap and water. Change contaminated clothing. In case of skin irritation, consult physician.

Inhalation

Remove to fresh air. If not breathing, give artificial respiration. Get medical attention immediately.

Ingestion

Rinse mouth with water (only if person is conscious). Never give an unconscious person anything through the mouth. Immediately get medical attention.

Most Important Symptoms and Effects, both Acute and Delayed**Symptoms**

Causes serious eye damage.

Indication of any Immediate Medical Attention and Special Treatment Needed**Note to Physicians**

Treat symptomatically

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

All extinguishing agents can be applied.

Unsuitable Extinguishing Media High powered water jet.

Specific Hazards Arising from the Chemical

In case of fire, may be liberated: Formaldehyde, silicon dioxide, traces of incompletely burned carbon compounds, carbon monoxide and carbon dioxide.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, Wear protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions Use personal protective equipment as required. Remove all sources of ignition. Avoid breathing vapors. Ventilate affected area.

Environmental Precautions Do not allow to penetrate into soil, waterbodies or drains.

Methods and Material for Containment and Cleaning Up

Dam spills. Soak up with absorbent materials such as sand, siliceous earth, acid or universal binder. Store in special closed containers and dispose of according to ordinance.

Additional Information: Danger of slipping by leaking/spilling product.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Provide adequate ventilation, and local exhaust as needed. Avoid contact with skin, eyes, and clothing. Avoid formation of aerosols/vapours. Do not breathe vapour/aerosol wear protective equipment. Keep your workplace clean. When using do not eat, drink or smoke.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

Storage class 10 = Combustible liquids, unless storage class 3

Packing Materials Do not transfer to unmarked containers.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Control Parameters

CAS No.	Designation	Type	Limit Value
64-17-5	Ethanol	Great Britain: WEL-TWA Ireland: 15 minutes	1920 mg/m ³ , 1000 ppm 1000 ppm

Exposure Controls

Provide adequate ventilation.

Personal Protective Equipment

Eye/Face Protection	Tightly sealed safety goggles according to EN 166.
Skin and Body Protection	Wear protective gloves according to EN 374. Glove material: Plastic or Rubber. Observe glove manufacturer's instructions concerning penetrability and breakthrough time. Wear suitable protective clothing.
Respiratory Protection	Ensure adequate ventilation, especially in confined areas. If vapors form, use respiratory protection. Use filter type A (=against vapors of organic substances) according to EN 14387.
General Hygiene Considerations	Avoid contact with the substance. Change contaminated clothing. Avoid formation of aerosols/vapors. Do not breathe vapor/aerosol. Have eye wash bottle or eye rinse ready at work place. Wash hands before breaks and after work. When using do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**Information on Basic Physical and Chemical Properties**

Physical State	Liquid, emulsion	Odor	Weak
Appearance	Milky white liquid	Odor Threshold	Not determined
Color	Milky White		

Property	Values
pH	No data available
Melting Point/Freezing Point	Not Applicable
Boiling Point/Boiling Range	(Water) 100°C
Flash Point	Not Applicable
Evaporation Rate	(Butyl acetate = 1): <1
Flammability (Solid, Gas)	No data available
Upper Flammability Limits	No data available
Lower Flammability Limit	No data available
Vapor Pressure	at 25°C (Water) 32hPa
Vapor Density	Not applicable
Density	at 25°C: 1.04 g/mL
Water Solubility	Dispersible
Solubility in Other Solvents	No data available
Partition Coefficient	No data available
Auto-ignition Temperature	No data available
Decomposition Temperature	No data available
Kinematic Viscosity	No data available
Dynamic Viscosity	at 25°C: 10 mPa*s
Explosive Properties	No data available
Oxidizing Properties	No data available

SECTION 10: STABILITY AND REACTIVITY**Reactivity**

Refer to 10.3

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to Avoid

Excessive heating. Avoid formation of aerosols/vapors. Protect against heat/sun rays. Protect from frost.

Incompatible Materials

No data available.

Hazardous Decomposition Products

In case of fire, may be liberated: Formaldehyde, silicon dioxide, traces of incompletely burned carbon compounds, carbon monoxide and carbon dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION**Information on Toxicological Effects****Acute Toxicity:**

LD50 Rat, oral: 7060 mg/kg (Ethanol)

LC50 Rat, inhalant: 10000ppm/10 h

Toxicological Effects:

Acute toxicity (oral): Lack of data
 Acute toxicity (dermal): Lack of data
 Acute toxicity (inhalant): Lack of data
 Skin corrosion/irritation: Lack of data
 Eye damage/irritation: Eye Dam. 1; H318 = Causes serious eye damage.
 Sensitization to the respiratory tract: Lack of data
 Skin sensitization: Lack of data.
 Germ cell mutagenicity/Genotoxicity: Lack of data
 Carcinogenicity: Lack of data
 Reproductive toxicity: Lack of data
 Effects on or via lactation: Lack of data
 Specific target organ toxicity (single exposure): Lack of data
 Specific target organ toxicity (repeated exposure): Lack of data
 Aspiration hazard: Lack of data

Other Information:

Information about Octamethylcyclotetrasiloxane:
 Possible risk of impaired fertility
 Teratogenicity: negative (Rat and Rabbit)
 Repeated inhalation or oral exposure of mice and rats to Octamethylcyclotetrasiloxane produced an increase in liver size. No gross histopathological or significant clinical chemistry effects were observed.
 An increase in liver metabolizing enzymes, as well as a transient increase in the number of normal cells (hyperplasia) followed by an increase in cell size (hypertrophy) were determined to be the underlying causes of the liver enlargement. The biochemical mechanisms producing these effects are highly sensitive in rodents, while similar mechanisms in humans are insensitive.
 Octamethylcyclotetrasiloxane administered to rats by whole body inhalation at concentrations of 500 and 700 ppm for 70 days prior to mating, through mating, gestation and lactation resulted in decreases in live litter size. Additionally, increases in the incidence of deliveries of offspring extending over an unusually long time period (dystocia) were observed at these concentrations.
 Statistically significant alterations in these parameters were not observed in the lower concentrations evaluated (300 and 70 ppm). In a previous range-finding study, rats exposed to vapor concentrations of 700 ppm had decreases in the number of implantation sites and live litter size.
 Subacute toxicity:
 NOAEL Rat (oral, 28 d) 1000 mg/kg/d
 Target organ: liver
 May produce carbon oxides and formaldehyde if heated to decomposition.
 Information about Formaldehyde:
 Toxic by inhalation, in contact with skin and if swallowed
 Limited evidence of a carcinogenic effect
 May cause chronic bronchitis and permanent allergic reactions
 The following symptoms may occur: cough. Pulmonary edema is possible
 Symptoms may occur with delay

Symptoms:

Frequently or prolonged contact with skin may cause dermal irritation
 After eye contact: redness, pain

SECTION 12: ECOLOGICAL INFORMATION

Persistence and Degradability

No data available

Bioaccumulation

No data available

Mobility in soil

No data available

Other Adverse Effects

Not determined

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Waste

Wastes containing dangerous silicones

*= Evidence for disposal must be provided

Do not throw used container in fire. Disposal should be in accordance with local/state/national regulations.

Contaminated Packaging

Waste key number 150104 – Metallic packaging

Do not throw used container in fire. Disposal should be in accordance with local/state/national regulations. Do not reuse empty container.

SECTION 14: TRANSPORTATION INFORMATION

Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

UN/ID No	Not applicable
Proper Shipping Name	Not restricted
Hazard Class	Not applicable
Packing Group	Not applicable

IATA

UN/ID No	Not applicable
Proper Shipping Name	Not restricted
Hazard Class	Not applicable
Packing Group	Not applicable

IMDG

UN/ID No	Not applicable
Proper Shipping Name	Not restricted
Hazard Class	Not applicable
Packing Group	Not applicable

Environmental Hazards

Marine pollutant:	No
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Special Precautions for User: No dangerous good in sense of these transport regulations

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: No data available

SECTION 15: REGULATORY INFORMATION**Safety, health and environmental regulations/legislation specific for the substance or mixture****National Regulations – Great Britain**

Hazchem Code:

National Regulations – USA

Hazard Rating Systems: NFPA Hazard Rating:
Health: 1 (Slight)
Fire: 1 (Slight)
Reactivity: 0 (Minimal)
HMIS Version III Rating:
Health: 1 (Slight)
Flammability: 1 (Slight)
Physical Hazard: 0 (Minimal)
Personal Protection: X = Consult your Supervisor

Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

SECTION 16: OTHER INFORMATION**Further Information**

Wording of the H phrases under paragraph 2 and 3:

H225 = Highly flammable liquid and vapor
H226 = Flammable liquid and vapor
H318 = Causes serious eye damage
H361f = Suspected of damaging fertility
H413 = May cause long lasting harmful effects to aquatic life

Wording of the R-phrases under paragraph 2 and 3:

R11 = Highly Flammable
R41 = Risk of serious damage to eyes
R53 = May cause long-term adverse effects in the aquatic environment.
R62 = Possible risk of impaired fertility

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Disclaimer/Statement of Liability:

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End of Safety Data Sheet