

Product Name: SureSeal HS 240

Revision Date 01/01/2016

SAFETY DATA SHEET

SECTION 1 Product and Company Identification

Product

Product Name: [SureSeal HS 240](#)

Product Description: Premium 20% Solvent Based Clear Sealer, <400 g/L

Intended Use: Cementitious Waterproofing Sealer

Company

Manufacturer: SureCrete Design Products, Inc.

15246 Citrus Country Drive

Dade City, FL 33523

USA

Contact: 352-567-7973 (telephone general)

800-262-8200 Chemtrec

+1 703-741-5500 Chemtrec International

info@surecretedesign.com (e-mail)

352-521-0973 (facsimile)

SECTION 2 Hazards Identification

Classification of substance or mixture:

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Flammable Liquids (Category 2) H225

Aspiration Hazard (Category 1) H304

Acute toxicity, dermal (Category 4) H312

Acute toxicity, inhalation (Category 4) H332

Skin corrosion/irritation (Category 2) H316

Serious eye damage/eye irritation (Category 2B) H319

Carcinogenicity (Category 2) H351

Specific target organ toxicity, single exposure (Category 3 respiratory tract irritation) H373

Specific target organ toxicity, single exposure (Category 3 narcotic effects) H373

Hazardous to the aquatic environment, acute hazard (Category 2) H401

Chronic aquatic toxicity (Category 2) H411

GHS Label Elements

Hazard symbol:



Signal word: Danger

Label Hazard Statements

H225: Highly Flammable liquid and vapor.

H304: May be fatal if swallowed and enters airways.

H312 + H332: Harmful in contact with skin or inhaled.

H 315: Causes skin irritation.



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- H335: May cause respiratory irritation.
- H336: May cause drowsiness or dizziness.
- H351: Suspected of causing cancer.
- H373: May cause damage to organs through prolonged or repeated exposures.
- H411: Toxic to aquatic life with long lasting effects.

Label Precautionary statements

- P201: Obtain special instructions before use.
- P202: Do not handle until all safety precautions have been read and understood.
- P210: Keep away from heat/sparks/open flames/hot surfaces. -- No smoking.
- P233: Keep container tightly closed.
- P240: Ground / bond container and receiving equipment.
- P241: Use explosion-proof electrical, ventilating, and lighting equipment.
- P242: Use only non-sparking tools.
- P243: Take precautionary measures against static discharge.
- P260: Do not breathe dust/fume/gas/mist/vapors/ spray.
- P261: Avoid breathing mist / vapors.
- P264: Wash skin thoroughly after handling.
- P271: Use only outdoors or in a well-ventilated area.
- P272: Contaminated work clothing should not be allowed out of the workplace.
- P273: Avoid release to the environment.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.
- P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P302 + P352: IF ON SKIN: Wash with plenty of soap and water.
- P303 + P361 + P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P308 + P313: IF exposed or concerned: Get medical advice/ attention.
- P312: Call a POISON CENTER or doctor/physician if you feel unwell.
- P331: Do NOT induce vomiting.
- P332 + P313: If skin irritation occurs: Get medical advice/ attention.
- P370 + P378: In case of fire: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish.
- P391: Collect spillage.
- P403 + P235: Store in a well-ventilated place. Keep cool.
- P405: Store locked up.
- P501: Dispose of contents and container in accordance with local regulations.

Physical / Chemical Hazards

Material can accumulate static charges which may cause an ignition. Material can release vapors that readily form flammable mixtures. Vapor accumulation could flash and/or explode if ignited.

Health Hazards

May be irritating to the respiratory tract - effects are reversible. Repeated exposure may cause skin dryness or cracking. Mildly irritating to skin. May be irritating to the eyes, nose, throat, and lungs. May cause central nervous system depression.

Environmental Hazards

Expected to be toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.



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SECTION 3 Composition / Information on Ingredients

This material is regulated as a mixture.

Ingredient	CAS #	EC#	% (by weight)
Hazardous			
Xylene	1330-20-7	215-535-7	14 – 27%
Ethylbenzene	100-41-4	NE	1 – 18%
Solvent Naphtha (petroleum), light aromatic	64742-95-6	265-192-2	<16%
Cumene	98-82-8	NE	<=.15%
Pseudocumene(1,2,4-Trimethylbenzene)	95-63-6	NE	<6%
Naphtha (petroleum), heavy alkylate	64741-65-7	NE	<4%
Tert-Butyl acetate	540-88-5	208-760-7	<30%
Isooctyl trimethoxy silane/ octyltrimethoxysilanes	34396-03-7	NE	<6%
Non Hazardous			
	Trade secret		<26%

The exact percentage of composition has been withheld as a trade secret.

SECTION 4 First Aid Measures

Inhalation: Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.

Skin Contact: Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse.

Eye Contact: Flush thoroughly with water. If irritation occurs, get medical assistance.

Ingestion: Seek immediate medical attention. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content does not get into the lungs.

Note to Physician If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

SECTION 5 Fire Fighting Measures

Appropriate Extinguishing Media: Foam, CO₂, Dry chemical, water spray or fog.

Inappropriate Extinguishing Media: Solid streams of water.

Fire Fighting Instructions: Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Firefighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

Unusual Fire Hazards: Vapors are flammable and heavier than air. Vapors may travel across the ground and reach re-



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mote ignition sources causing a flashback fire danger. Hazardous material. Firefighters should consider protective equipment indicated in Section 8.

Hazardous Combustion Products: Incomplete combustion products, Smoke, Fume, Oxides of carbon.

Flammability Properties

Flash Point: 15°C (60°F)

Flammable Limits (Approximate volume % in air): LEL: 1 UEL: 7

Auto ignition Temperature: 529°C (984°F)

SECTION 6 Accidental Release Measures

Personal Precautions, Protective Equipment, Emergency Procedures: Keep unnecessary personnel away. Local authorities should be advised if significant spills cannot be contained. Keep upwind. Keep out of low areas. Ventilate closed spaces before entering. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. See Section 8 of the SDS for Personal Protective Equipment.

Methods and Materials for Containment and Clean-up: Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Extinguish all flames in the vicinity. Keep combustibles (wood, paper, oil, etc.) away from spilled material.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible.

Small Spills: Use a non-combustible material like vermiculite, sand, or earth to soak up the product and place into a container for later disposal. Cover with plastic sheet to prevent spreading. Collect spillage. Following product recovery, flush area with water. Prevent product from entering drains. Do not allow material to contaminate ground water system. Clean surface thoroughly to remove residual contamination. Wipe up with absorbent material (e.g. cloth, fleece). Never return spills in original containers for re-use. Prevent entry into waterways, sewers, basements or confined areas. Stop leak if you can do so without risk. This material is a water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water. Dike the spilled material, where this is possible. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Clean surface thoroughly to remove residual contamination. Should not be released into the environment. Do not allow material to contaminate ground water system. Prevent product from entering drains.

SECTION 7 Handling and Storage

Handling: Eliminate sources of ignition. Avoid spark promoters. Ground/bond container and equipment. These alone may be insufficient to remove static electricity. Wear personal protective equipment. Do not breathe gas/fumes/vapor/spray. Avoid contact with eyes, skin, and clothing. Do not taste or swallow. Avoid prolonged exposure. Use only with adequate ventilation. Wash thoroughly after handling. The product is extremely flammable, and explosive vapor/air mixtures may be formed even at normal room temperatures. DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. When using, do not eat, drink or smoke. Avoid release to the environment.

Storage: Flammable liquid storage. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. The pressure in sealed



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containers can increase under the influence of heat. Keep container tightly closed in a cool, well-ventilated place. Keep away from food, drink and animal feeding stuffs. Keep out of the reach of children.

SECTION 8 Exposure Control / Personal Protection

Engineering Measures: Air contaminant levels should be controlled below the PEL or TLV for this product (see Exposure Guidelines).

Exposure limit values:

Component	Value / Source			
Cumene	TWA	245 mg/m ³	50 ppm	OSHA Z1
Cumene	TWA	No data available	50 ppm	ACGIH
Pseudocumene (1,2,4-Trimethylbenzene)	TWA	No data available	25 ppm	ACGIH
Tert-Butyl Acetate	TWA	No data available	200 ppm	ACHIH
Tert-Butyl Acetate	PEL	950 mg/m ³	200 ppm	ACHIH
Solvent Naphtha (Petroleum), Light Aromatic	TWA	100 mg/m ³	19 ppm	ExxonMobil
Xylene	PEL	435 mg/m ³	100 ppm	OSHA Z1
Xylene	TWA	435 mg/m ³	100 ppm	ACGIH
Xylene	STEL	No data available	150 ppm	ACGIH
Ethylbenzene	PEL	435 mg/m ³	100 ppm	OSHA Z1
Ethylbenzene	TWA	No data available	20 ppm	ACGIH

Occupational exposure controls: The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Control measures to consider:

- Adequate ventilation should be provided so that exposure limits are not exceeded.
- Use explosion-proof ventilation equipment.

Personal Protection:

Respiratory protection: Wear suitable NIOSH approved respirator when ventilation is inadequate.

Hand protection: Chemically compatible gloves.

Eye protection: Safety glasses with side shields or full face shield.

Skin protection: Minimize skin contact with appropriate long-sleeved clothing.

Hygiene measures: Observe good industrial hygienic practices. Frequently launder or discard proactive clothing, equipment.

Environmental exposure controls: Emissions from work process equipment should be checked against requirements of appropriate environmental protection legislation.

SECTION 9 Physical and Chemical Properties

Appearance: Colorless liquid.

Physical state: Liquid.

Form: Liquid.

Color: Colorless.

Odor: Aromatic. Solvent-like.

Odor threshold: Not available.

pH: Not available.

Melting point/freezing point: -15°F (-26.1°C)



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Initial boiling point and boiling range: 282°F (139 °C)
Flash point: 60°F (15°C)
Evaporation rate: Not available.
Flammability (solid, gas) Not available.
Flammability limit – lower: 1 %
Flammability limit – upper: 7 %
Explosive limit - lower (%) Not available.
Explosive limit - upper (%) Not available.
Vapor pressure: Not available.
Vapor density Relative density: Not available.
Solubility (water): Very slightly soluble.
Partition coefficient: Not available.
Auto-ignition temperature: 985°F (529°C)
Decomposition temperature: Not available.
Viscosity Not available.
VOC: <400 g/L

SECTION 10 Stability and Reactivity

Stability: Stable under normal conditions.

Reactivity: Not available.

Conditions to avoid: Heat, flames and sparks. Ignition sources. Contact with incompatible materials. Do not pressurize, cut, weld, braze, solder, drill, grind or expose empty containers to heat, flame, sparks, static electricity, or other sources of ignition; they may explode and cause injury or death.

Materials to avoid: Strong oxidizing agents. Reducing agents. Acids. Alkalis.

Hazardous decomposition products: Hazardous gases and vapors produced in fire are oxides of carbon.

Hazardous polymerization: Does not occur.

SECTION 11 Toxicological Information

Route of Exposure

Inhalation: Breathing small amounts during normal handling is not likely to cause harmful effects. Breathing large amounts may cause depression of the central nervous system, nausea, headache, dizziness, drowsiness or unconsciousness.

Eye Contact: Exposure may cause serious eye irritation, including itching, burning, redness, and tearing.

Ingestion: Ingestion may result in headache, dizziness or drowsiness. Aspiration may cause chemical pneumonitis or pulmonary edema.

Skin Contact: Exposure causes skin irritation or drying. Prolonged exposure may cause dermatitis or skin cracking.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Petroleum naphtha, light aromatic 64742-95-6	8400 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.2 mg/L, 3400 ppm (Rat) 4 h

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1,2,4-Trimethylbenzene 95-63-6	5000 mg/kg (Rat)	No data available	18 mg/L (Rat) 4 h
Xylene 1330-20-7	4300 mg/kg (Rat)	> 1700 mg/kg (Rabbit)	47.6 g/L, 5000 ppm (Rat) 4 h
Tert-Butyl Acetate 540-88-5	5000 mg/kg (Rat)	> 4500 mg/kg	12.52 mg/l 4 h
Cumene 98-82-8	1400 mg/kg (Rat)	> 3160 mg/kg (Rabbit)	39 mg/L (Rat) 4 h

Chronic effects:*Mutagenicity:* May cause genetic defects.*Carcinogenicity:* May cause cancer.**SECTION 12 Ecological Information****Eco toxicity** - Toxic to aquatic life with long-lasting effects**Toxicity to Fish**

Chemical Name	CAS No	Species	LC50 (mg/L)	Exposure (Method)
Petroleum naphtha, light aromatic	64742-95-6	Oncorhynchus mykiss	9.22	96 h
1,2,4-Trimethylbenzene	95-63-6	Pimephales promelas	7.72	96 h (flow-through)
Xylene	1330-20-7	Pimephales promelas	13.40	96 h (flow-through)
		Pimephales promelas	23.53–29.97	96 h (static)
		Oncorhynchus mykiss	2.66–4.09	96 h
		Lepomis macrochirus	19.00	96 h
		Lepomis macrochirus	13.10–16.50	96 h (flow-through)
		Lepomis macrochirus	7.71–9.59	96 h (static)
		Poecilia reticulata	30.26–40.75	96 h (static)
Cumene	98-82-8	Pimephales promelas	6.04–6.61	96 h (flow-through)
		Oncorhynchus mykiss	4.80	96 h (flow-through)
		Oncorhynchus mykiss	2.70	96 h (semi-static)
		Poecilia reticulata	5.10	96 h (semi-static)

Toxicity to Algae/Aquatic Plants, Microorganisms and Crustacea

Chemical Name	CAS No	Algae/aquatic plants EC50	Microorganisms EC50	Crustacea EC50
Petroleum naphtha, light aromatic	64742-95-6	Pseudokirchneriella subcapitata 3.1 mg/L 72 h	No data available	Daphnia magna 6.14 mg/L 48 h
1,2,4-Trimethylbenzene	95-63-6		No data available	Daphnia magna 3.60 mg/L 48 h
Xylene	1330-20-7	Pseudokirchneriella subcapitata 72 mg/L 14 d	0.0084 mg/L 24 h	Daphnia magna 3.82 mg/L 48 h
				Gammarus lacustris 0.6 mg/L 48 h
Cumene	98-82-8	Pseudokirchneriella subcapitata	0.89 mg/L 5 min	Daphnia magna
			1.10 mg/L 15 min	7.9–14.1 mg/L 48 h
			1.48 mg/L 30 min	
			172 mg/L 24 h	



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Persistence and degradability No data available.

Bio accumulative potential No data available.

Mobility

Chemical Name	CAS No	Partition Coefficient (log POW)
Petroleum naphtha, light aromatic	64742-95-6	3.42
1,2,4-Trimethylbenzene	95-63-6	3.63
Xylene	1330-20-7	2.77-3.15
Cumene	98-82-8	3.55

Other adverse effects: None known.

SECTION 13 Disposal Considerations

Disposal instructions: Dispose in accordance with all applicable regulations. This material and its container must be disposed of as hazardous waste. Dispose of this material and its container to hazardous or special waste collection point. Incinerate the material under controlled conditions in an approved incinerator. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container.

Local disposal regulations: Dispose of in accordance with local regulations.

Hazardous waste code: D001 / Waste Flammable material with a flash point <140 °F.

Waste from residues / unused products: Dispose in accordance with all applicable regulations.

Contaminated packaging: Since emptied containers may retain product residue, follow label warnings even after container is emptied.

Chemical Name	CAS No	RCRA Listing	RCRA – Basis for Listing
Xylene	1330-20-7	U239	Included in waste stream: F039
Cumene	98-82-8	U055	

State of California: This product contains substances that are listed with the state of California as hazardous wastes.

Chemical Name	CAS No	California Hazardous Waste Status
Xylene	1330-20-7	Toxic / Ignitable
Cumene	98-82-8	Toxic / Ignitable

Section 14 Transport Information

DOT

UN number: UN1263

UN proper shipping name: Paint related material

Class: 3

Packing group: II

Special precautions for user: Not available.



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IATA

UN number: UN1263
UN proper shipping name: Paint related material
Class: 3
Packing group: II
Environmental hazards: No.
Special precautions for user: Not available.

IMDG

UN number: UN1263
UN proper shipping name: Paint related material
Class: 3
Packing group: II
Environmental hazards
Marine pollutant: No.
Special precautions for user: Not available

SECTION 15 Regulatory Information

US federal regulations: This product is hazardous according to OSHA 29 CFR 1910.1200.
All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D): Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

Benzene [as part of xylene] (CAS 71-43-2)
Cumene (CAS 98-82-8)
Cancer, Central nervous system, Blood, Aspiration, Skin, Eye, Respiratory tract irritation, Flammability

CERCLA Hazardous Substance List (40 CFR 302.4):

Xylene (CAS 1330-20-7) listed
Ethylbenzene (CAS 100-41-4) listed
Cumene (CAS 98-82-8) listed

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes
Delayed Hazard - Yes
Fire Hazard - Yes
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance: Not listed.

SARA 311/312 Hazardous chemical: No

SARA 313 (TRI reporting):

Xylene CAS 1330-20-7
Ethylbenzene (CAS 100-41-4)
Cumene (CAS 98-82-8)
Pseudocumene (1,2,4-Trimethylbenzene) (CAS 95-63-6)



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Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List:

Xylene (CAS 1330-20-7)

Ethylbenzene (CAS 100-41-4)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): Not regulated.

Clean Water Act (CWA) Section 112(r) (40 CFR 68.130): Hazardous substance, Priority and Toxic pollutant

Safe Drinking Water Act (SDWA): 0 mg/l 0.005 mg/l

US state regulations

US. Massachusetts RTK - Substance List:

Xylene (CAS 1330-20-7)

Benzene (CAS 71-43-2)

Ethylbenzene (CAS 100-41-4)

US. New Jersey Worker and Community Right-to-Know Act:

Xylene (CAS 1330-20-7)

Benzene (CAS 71-43-2)

Ethylbenzene (CAS 100-41-4)

Toluene (CAS 108-88-3)

Cumene (CAS 98-82-8)

Pseudocumene (1,2,4-Trimethylbenzene) (CAS 95-63-6)

US. Pennsylvania Worker and Community Right-to-Know Law:

Xylene (CAS 1330-20-7)

Benzene (CAS 71-43-2)

Ethylbenzene (CAS 100-41-4)

Toluene (CAS 108-88-3)

Cumene (CAS 98-82-8)

Pseudocumene (1,2,4-Trimethylbenzene) (CAS 95-63-6)

US. Rhode Island RTK:

Xylene (CAS 1330-20-7)

Benzene (CAS 71-43-2)

Ethylbenzene (CAS 100-41-4)

Toluene (CAS 108-88-3)

Cumene (CAS 98-82-8)

Pseudocumene (1,2,4-Trimethylbenzene) (CAS 95-63-6)

US. California Proposition 65: Carcinogens & Reproductive Toxicity (CRT): Listed substance

Benzene (CAS 71-43-2)

Ethylbenzene (CAS 100-41-4)

Toluene (CAS 108-88-3)

International Inventories

Country(s) or region Inventory name on inventory (yes/no)*

Australia: Australian Inventory of Chemical Substances (AICS) Yes

Canada: Domestic Substances List (DSL) Yes

Canada: Non-Domestic Substances List (NDSL) No

China: Inventory of Existing Chemical Substances in China (IECSC) Yes



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Europe: European Inventory of Existing Commercial Chemical Substances (EINECS) Yes

Europe: European List of Notified Chemical Substances (ELINCS) No

Japan: Inventory of Existing and New Chemical Substances (ENCS) Yes

Korea: Existing Chemicals List (ECL) Yes

New Zealand: New Zealand Inventory Yes

Philippines: Philippine Inventory of Chemicals and Chemical Substances (PICCS) Yes

**A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).*

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

SECTION 16 Other Information

Recommended restriction: for use by trained professionals, having read the complete SDS

Hazard Ratings

	<i>health</i>	<i>flammability</i>	<i>reactivity</i>
HMIS	1	3	0
NFPA	1	3	0

To the best of our knowledge the information contained here is accurate. However, neither the above named manufacturer nor any of its distributors assumes any liability whatsoever for the accuracy or the completeness of the information contained herein. Final determination of the 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 hazards that exist.