



Product Name: Cure and Seal 400 g / L  
Revision Date 08/02/12

## SAFETY DATA SHEET

Complying with 1907/2006/EEC Regulation of 18 December 2006 ("REACH Regulation) and Regulation (EC) No 1272/2008 (CLP)

### SECTION 1 Product and Company Identification

#### Product

Product Name: Cure and Seal 400 g / L  
Product Description: Finishing aid  
Intended Use: curing membrane

#### Company

Manufacturer: SureCrete Design Products, Inc.  
15246 Citrus Country Drive  
Dade City, FL 33523  
USA  
Contact: 352-567-7973 (telephone general)  
813-469-1408 (telephone 24 hour emergency)  
813-469-1419  
[info@surecretedesign.com](mailto:info@surecretedesign.com) (e-mail)  
352-521-0973 (facsimile)

### SECTION 2 Hazards Identification

#### According to EC Directive 2001/59/EC

#### Most Important Hazards

Physical / Chemical Hazards: R11; Highly flammable  
Health Hazards: R20/21: Harmful by inhalation and in contact with skin  
R38: Irritating to skin

#### GHS – Classification

Physical / Chemical Hazards: H226 Flammable liquid and vapor  
Health Hazards: H312: harmful in contact with skin  
H315: causes skin irritation  
H332: harmful if inhaled

### SECTION 3 Composition / Information on Ingredients

This material is regulated as a mixture

Ingredient	CAS #	EC#	% (by weight)
<b>Hazardous</b>			
Solvent Naptha (Petroleum), Light Aromatic	64742-95-6	265-199-0	<20%
Tertiary Butyl Acetate	540-88-5	208-760-7	<65%
<b>Non Hazardous</b>			
Copolymer of styrene and 2-ethylhexylacrylate	25153-46-2	REACH exempted	<30%



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#### SECTION 4 First Aid Measures

**Eye Contact:** Rinse with running water for 15 mins. Hold eyelids apart while irrigating.

**Skin Contact:** Wash affected area thoroughly with soap and water. Wash clothing before reuse.

**Inhalation:** Move to fresh air. Administer artificial respiration if not breathing. If breathing is difficult, give oxygen. Get medical attention

**Ingestion:** Get medical attention immediately. Do not induce vomiting.

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#### SECTION 5 Fire Fighting Measures

##### Extinguishing Media

**Appropriate:** Foam, CO<sub>2</sub>, Dry chemical, water fog

**Inappropriate:** Solid streams of water

**Special Fire Fighting Procedures:** Water may be ineffective in fighting fire. If water is used to cool containers, fog nozzles are preferred. Full protective equipment, including self-contained breathing apparatus required.

**Unusual Fire and Explosion Hazard:** Closed containers may explode due to a buildup of pressure when exposed to extreme heat. Do not use direct stream on pool fires as product may reignite on water surface.

##### Flammability Properties

**Flash Point (Method):** 23.4°C / 74°F

**Flammable Limits (Approximate volume % in air):** LEL: 4.2 UEL: 12.9

**Autoignition Temperature:** >465°C / 869°F

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#### SECTION 6 Accidental Release Measures

**Personal precautions:** Wear protective clothing. Avoid contact with skin. Avoid breathing vapors. Remove all potential sources of ignition. Evacuate personnel to safe areas. Vapors may accumulate to form explosive concentrations. Vapors may collect in low areas.

**Environmental precautions:** Prevent entry into waterways or confined areas.

**Methods for clean-up:** Absorb spill onto sand, vermiculite, or any other inert, non-combustible material. Scoop into containers for later appropriate disposal.

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#### SECTION 7 Handling and Storage

**Handling:** Avoid contact with eyes, skin, and clothing. Avoid handling of vapor or mist. Do not permit eating, drinking, smoking near material. Remove all potential sources of ignition.

**Storage:** Keep containers tightly closed, in dry, cool, well ventilated place. Do not store together with strong oxidizing agents.

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#### SECTION 8 Exposure Control / Personal Protection

**Exposure limit values:** TLV –ACGIH 100 ppm (TWA), 150 ppm (STEL)

OSHA-PEL 100 ppm (TWA)



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MAK-GER 440 mg/m<sup>3</sup> (TWA)  
REL-NIOSH 100 ppm (TWA), 150 ppm (STEL)

**Occupational exposure controls:** Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.

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

*Hand protection:* Chemically compatible gloves

*Eye protection:* Safety glasses with side shields

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

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

**Environmental exposure controls:** The use of local exhaust ventilation is recommended to control emissions near the source. Provide mechanical ventilation of confined spaces. Utilize explosion proof equipment for ventilation.

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## SECTION 9 Physical and Chemical Properties

### General

Physical state: liquid

Color: clear

Odor: characteristic aromatic

### Safety Data

pH: not available

Boiling point: ~90°C / 194°F

Flash point: 44°C / 74°F

Flammable limits (approximate volume % in air): LEL: 1.1 UEL: 7.0

Autoignition temperature: >450°C / 842°F

Vapor pressure (mm Hg.): 42 mm/Hg @ 20°C / 68°F

Water solubility: negligible

Vapor density (air = 1): >3.1

Specific gravity (water = 1): 1.06

VOC: 389 g / L

Oxidizing properties: not applicable

Explosive properties: not applicable

### Other Information

Freezing Point: 2 - 4°C / 36 - 40°F

Hygroscopic: no

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## SECTION 10 Stability and Reactivity

**Stability:** Stable under normal conditions

**Conditions to avoid:** heat, flame, sparks, other sources of ignition

**Materials to avoid:** Strong oxidizing agents

**Hazardous decomposition products:** material does not decompose at ambient temperatures

**Hazardous polymerization:** will not occur

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## SECTION 11 Toxicological Information

### Acute Toxicity

Route of Exposure	Conclusion / Remarks
<i>Inhalation</i>	
Toxicity : LC50 > 5000 ppm	Minimally toxic based on available literature
Irritation: data available	Elevated temperatures or mechanical action may form vapors, mist, or fumes that may be irritating to the eyes, nose, throat, or lungs based on available literature
<i>Ingestion</i>	
Toxicity: LD50 > 13,000 mg/kg oral rat	Minimally toxic based on available literature
<i>Skin</i>	
Toxicity: LD50 > 4320 mg/kg	Minimally toxic based on available literature
Irritation: data available	Irritating to the skin based on available literature
<i>Eye</i>	
Irritation: data available	Moderately irritating to the eyes based on available literature

### Chronic / Other Effects

Vapor concentrations above recommended exposure levels are irritating to the eyes and the respiratory tract, may cause headaches and dizziness, are anesthetic and may have other central nervous system effects. Small amounts of liquid aspirated into the lungs during ingestion or vomiting may cause chemical pneumonitis or pulmonary edema. Very high exposures (confined space or abuse) to light hydrocarbons may result in abnormal heart rhythm. Concurrent high stress levels and / or co-exposure to high levels of hydrocarbons (above occupational exposure limits) and exposure to heart stimulating substances like epinephrine, nasal decongestants, asthma drugs, or cardiovascular drugs may initiate arrhythmias. Studies have revealed carcinogenicity in laboratory animals. The relevancy of these findings to humans is uncertain.

## SECTION 12 Ecological Information

**Ecotoxicity:** Material expected to be toxic to aquatic organisms

**Mobility:** Material highly volatile, will partition rapidly to air. Not expected to partition to sediment and wastewater solids

### Persistence and degradability

*Biodegradation:* expected to be readily biodegradable

*Atmospheric oxidation:* expected to degrade rapidly in atmosphere

*Bioaccumulation potential:* very low potential to bioaccumulate

*Other:* material is VOC

## SECTION 13 Disposal Considerations

**Methods of disposal:** waste must be disposed of in accordance with federal, state, and local environmental control regulations.



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**Hazardous waste:** European waste code 14 06 03. The material is considered as hazardous waste pursuant to Directive 91/689/EEC on hazardous waste, and subject to the provisions of that directive unless Article 1(5) of the Directive applies.

### Section 14 Transport Information

#### International transport regulations

<i>Regulatory Information</i>	<i>UN number</i>	<i>Proper shipping name</i>	<i>Class</i>	<i>Packing group</i>	<i>Additional information</i>	<i>Marine pollutant</i>
ADR/RID class	1263	Paint related material	3	III		NA
IMDG class	1263	Paint related material	3	III	EMS-No: F-E, S-D	No
IATA class	1263	Paint related material	3	III		NA

#### National Fire Protection Association Hazard Ratings (NFPA)

Health hazard 2  
Flammability 3  
Stability 0

### SECTION 15 Regulatory Information

#### US FEDERAL

**OSHA Hazards:** Combustible liquid

**TSCA Inventory Listing:** listed or exempt

**SARA 302 Status:** no chemicals to report

**SARA 311/312 Classification:** "Fire hazard"

**SARA 313 Chemical:** none to report

**CERCLA Hazardous Substance:** none

**WHIMS:** Class B, Division 3: Combustible liquid

#### EU

Material is dangerous as defined by the EU Dangerous Substances / Preparations Directives

**Risk phrases:** R10: flammable  
R38: irritating to skin  
R20/21: harmful by inhalation and contact with skin

**Safety advice:** S02: keep out of reach of children  
S25: Avoid contact with skin

#### **Dangerous as defined by EU CLP 2008:**

*Physical/chemical properties:*

Flammable liquids: flam. liquid 3:

H226: flammable liquid and vapor



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*Health hazards:*

Skin corrosion / irritation: skin irrit. 2: H315: causes skin irritation  
Acute toxicity – inhalation: acute tox. Cat. 4: H332: harmful if inhaled  
Acute toxicity – dermal: acute tox. Cat. 4: H312: harmful in contact with skin

*Precautionary statements*

P210: keep away from heat, sparks, open flame, hot surfaces / no smoking  
P243: take precautionary measures against static discharge.  
P261: avoid breathing dust, fumes, gas, mist, vapor, spray  
P280: wear protective gloves, clothing, eye and face protection  
P303+P361+P353: if on skin / hair: remove / take off immediately all contaminated clothing; rinse with water

**INTERNATIONAL REGULATIONS**

**AICS:** listed

**MITI:** listed

**DSL / NDSL:** listed

**EINECS:** listed

**PICCS:** listed

**Korean, China Inventory List:** listed

**STATE REGULATIONS**

**California Prop.65:** This product contains trace elements known to the State of California to cause cancer, birth defects, or reproductive harm. California law requires the manufacturer to give the above warning in the absence of definitive testing to prove the defined risks do not exist.

**SECTION 16 Other Information**

**Hazard Ratings**

	<i>health</i>	<i>flammability</i>	<i>reactivity</i>
<b>HMIS</b>	1	2	0
<b>NFPA</b>	1	2	0

**Full text of R-phrases referred to in section 2:**

R10: flammable  
R11: highly flammable  
R38: irritating to skin  
R20: harmful by inhalation  
R20/21: harmful by inhalation and in contact with skin

**Full text of hazard statements referred to in section 2:**

H225: highly flammable liquid and vapor  
H226: flammable liquid and vapor



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H332: harmful if inhaled  
H312: harmful in contact with skin  
H315: causes skin irritation

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

**Key Legend:**

ACGIH – American Conference of Governmental Industrial Hygienists  
HMIS - National Paint and Coating Hazardous Materials Identification System  
NFPA – National Fire Protection Agency  
OSHA – Occupational Safety and Health Administration  
WHIMS – Workplace Hazardous Materials Information System  
AICS – Australian Inventory of Chemical Substances  
MITI – Japanese Ministry of Trade and Industry Inventory Listing  
DSL – Canadian Domestic Substance List  
NDSL - Canadian Non-domestic Substance List  
EINECS – European Inventory of Existing Commercial Chemical Substances Listing  
PICCS – Philippines Inventory List  
NTP – National Toxicology Program  
IARC – International Agency for Research on Cancer  
R – Risk Phrases  
S – Safety Phrases

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According to Regulation (EC) No. 1907/2006 (REACH), Annex II, Commission Directive 2001/59/EC and REGULATION (EC) No. 1272/2008 (CLP)

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