

Safety Data Sheet

Section 1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

Product Name: **SURE SEAL C**
Synonym: None
Product Item No.: 97

1.2 Recommended use of the product and restrictions on use

Uses: Concrete Floor Sealer
Restrictions: Do not mix with other chemical solutions
Product dilution: Product is used as is.

1.3 Details of the supplier of the safety data sheet

Company: Emtech Laboratories, Inc.
580 S. Cemetery Street
Norcross, Georgia 30071
Telephone: 877-753-3271
Fax Phone Number: 888-294-7060

1.4 Emergency telephone number

Emergency Phone Number: 678-534-8007

Section 2. Hazards Identification

2.1 Classification of the substance or mixture:

Health Hazards

Serious Eye Damage/ Eye Irritation (Category 2B)
Skin corrosion/irritation (Category 2)
STOT – Repeated Exposure (Category 2)

Environmental Hazard

Hazardous to the aquatic environment – Acute (Category 3)

2.2 GHS Label elements

Pictogram(s)



Signal Word: Warning

Hazard statement(s):

H302 Harmful if swallowed or if inhaled.
 H315 Causes skin irritation
 Causes eye irritation
 H372 Causes damage to organs through prolonged or repeated exposure
 Harmful to aquatic life

Precautionary statement - Prevention

P260 Do not breathe mist or spray.
 P264 Wash skin thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement - Response

P301 + P330 + P331 + P312 IF SWALLOWED: Rinse mouth. Do not induce vomiting. Call a POISON CENTER or doctor/ physician if you feel unwell.
 P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
 P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P305 + P351 + P338 + P310 + P315 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

Precautionary Statements – Storage

P403 + P411 + P233 Store in a well-ventilated place. Store at temperatures not exceeding 40C/104F.
 Keep container tightly closed

Precautionary Statements - Disposal

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

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS: None

Section 3. Composition / Information on Ingredients

Substance/ Mixture: Mixture

Hazardous Ingredients	Concentration Range (%)	CAS number
Acrylic Polymer	50 - 60	Proprietary
Urethane Polymer	10 – 20	Proprietary
Di (ethylene glycol) ethyl ether	1 - 5	111-90-0
Tributoxyethyl phosphate	1 – 5	78-51-3
n-Methylpyrrolidone	1 - 5	872-50-4
Isopropanol	1 – 5	67-63-0
Dipropylene Glycol Monomethyl ether (DPM)	1 - 5	34590-94-8

Section 4. First Aid Measures

4.1 Description of first aid measures

General

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

Eye

Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for at least 15 minutes, while holding the eyelid(s) open. Get medical attention.

Skin

Wash off with soap and plenty of water. Consult a physician if irritation persists.

Inhalation

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician if breathing difficulty persists.

Ingestion

Never give anything by mouth if victim is rapidly losing consciousness, is unconscious or convulsing. DO NOT INDUCE VOMITING. Have victim drink two glasses of water to dilute material in the stomach. If vomiting occurs naturally, have the victim lean forward to reduce risk of aspiration, rinse mouth and repeat administration of water. Get medical attention immediately.

Inadvertent inhalation of vomited material may seriously damage the lungs. The danger of this is greater than the risk of poisoning through absorption of this relatively low toxicity substance. The stomach should only be emptied under medical supervision, and after the installation of an airway to protect the lungs.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

Section 5. Fire-Fighting Measures

5.1 Suitable Extinguishing Media

Use water spray, alcohol-resistant foam, dry agent (carbon dioxide, dry chemical powder).

Unsuitable Extinguishing Media:

No data available.

5.2 Special hazards arising from the substance or mixture

Carbon and Sulfur oxides

5.3 Advice for firefighters

Wear full protective clothing (chemical splash suit) and positive pressure self-contained breathing apparatus.

5.4 Further information

Use water spray to cool unopened containers.

National Fire
Protection
Association (NFPA)
0 = None 4 = Extreme Hazard

Health: 1
Fire Hazard: 1
Reactivity: 0

Section 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

For personal protection see section 8.

6.2 Methods and materials for containment and cleaning up

For small amounts: Pick up with suitable absorbent material. Dispose of absorbed material in accordance with regulations. Do not use saw-dust or other combustible substances as an absorbent during cleanup. For large amounts: Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

6.3 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.4 Reference to other sections

See section 8 to personal protective protection and section 13 to waste treatment.

Section 7. Handling and Storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition. Take measures to prevent the build-up of electrostatic charge.

For precautions see section 2.2.

7.2 Conditions for safe storage, including and incompatibilities

Store in a cool, dry, well-ventilated area away from sunlight, heat and ignition sources. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

7.3 Specific end use(s)

Apart from the uses referenced in section 1.2 no other specific uses are stipulated

Section 8. Exposure Controls / Personal Protection

8.1 Control parameters

Ingredients with workplace control parameters

Ingredients	CAS-No.	Type	Permissible Concentration	Basis
Di (ethylene glycol) ethyl ether	111-90-0	TWA	25 ppm	
Isopropanol	67-63-0	TWA	200 ppm	

Dipropylene Glycol Monomethyl 34590-94-8 TWA 100 ppm
ether (DPM)

TWA - The time-weighted average airborne concentration of a particular substance when calculated over an eight-hour working day, for a five-day working week.

STEL (Short Term Exposure Limit) - the airborne concentration of a particular substance calculated as a time-weighted average over 15 minutes, which should not be exceeded at any time during a normal eight hour work day. According to current knowledge this concentration should neither impair the health of, nor cause undue discomfort to, nearly all workers.

WEEL - Workplace Environmental Exposure Levels

These Workplace Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These workplace exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

8.2 Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

8.3 Personal protective equipment

General Information

Provide eyewash, safety shower and washing facilities.

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

No protective equipment should be needed under normal use conditions.

Respiratory protection

No protective equipment should be needed under normal use conditions. Ensure adequate ventilation, especially in confined areas.

Hygiene measures

Do not smoke while handling/using product. Handle in accordance with good industrial hygiene and safety practice. Always wash hands before smoking, eating, drinking or using the toilet. Wash hands before breaks and at the end of workday. Wash contaminated clothing and other protective equipment before storage or re-use.

Section 9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

a) Appearance	Form:	Liquid
	Color:	Opaque, white
b) Odor		Not determined
c) Odor Threshold		no data available

SURE SEAL C

d) pH	not determined
e) Melting point/freezing point	no data available
f) Initial boiling point and boiling range	212°F (100°C)
g) Flash point closed cup	>200°F (>93.33°F)
h) Evaporation rate	no data available
i) Flammability (solid, gas)	no data available
j) Upper/lower flammability or explosive limits	no data available
k) Vapor pressure	no data available
l) Vapor density	no data available
m) Relative density	1.0396 g/cm ³ at 25 °C (77 °F)
n) Water solubility	soluble
o) Partition coefficient: n-octanol/water	no data available
p) Auto-ignition temperature	no data available
q) Decomposition temperature	no data available
r) Viscosity	no data available
s) Explosive properties	no data available
t) Oxidizing properties	no data available

9.2 Other information

VOC (Volatile Organic Compounds)	not determined
Molecular Weight	Mixture
Bulk Density	no data available

Section 10. Stability and Reactivity

10.1 Reactivity

Not reactive under normal conditions

10.2 Chemical stability

Stable under recommended storage conditions

10.3 Possibility of hazardous reactions

None under normal processing

10.4 Conditions to avoid

Avoid exposure to sources of ignition, heat, static discharge, and open flame. Do not freeze.

10.5 Incompatible materials

Strong acids, Strong bases, Strong oxidizing agents.

10.6 Hazardous decomposition products

In the event of fire, decomposition products may include the following materials: carbon dioxide, carbon monoxide, and phosphur oxides. In the event of fire: see section 5

Section 11. Toxicological Information

11.1 Likely Routes of exposure

Likely routes of exposure include: inhalation, eye and skin contact.

11.2 Signs and symptoms of exposure

Eye irritation signs and symptoms may include redness and pain.

Skin irritation signs and symptoms may include dryness and pain.

Respiratory irritation signs and symptoms may include cough, drowsiness, headache, and sore throat.

11.3 Delayed and immediate effects/Chronic effects from short- and long-term exposure

Eye

Contact with eyes causes irritation. Adverse symptoms may include the following: pain, watering, redness.

Skin

Repeated or prolonged contact with the mixture may cause mild irritation.

Inhalation

Inhalation of large amounts of this material may affect the respiratory system and mucous membranes (irritation).

Ingestion

Ingestion of this material may cause abdominal discomfort, nausea, and diarrhea.

Chronic effects

See additional information in section 11.

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Reproductive toxicity

No known significant effects or critical hazards.

Specific target organ toxicity-single exposure

No data available

Specific target organ toxicity-repeated exposure

N-Methyl Pyrrolidone produced liver tumors and kidney effects in test animals.

Aspiration hazard

No data available

Additional Information

RTECS (Registry of Toxic Effects of Chemical Substances): None

11.4 Information on toxicological effects

Acute toxicity

Ingredient	CAS No.	LD50-Oral, Rat	Inhalation, Rat	Dermal, Rabbit
Di (ethylene glycol) ethyl ether	111-90-0	1920 mg/kg	5240 mg/m ³ , 4h	4200 microliter/kg
n-Methylpyrrolidone	8725-50-4	4150 mg/kg	>5.1 mg/l, 4h	>5000 mg/kg
Acrylic Polymer		>5000 mg/kg		
Tributoxyethyl Phosphate	78-51-3	3000 mg/kg	>6.4 mg/l, 4 h	>5000 mg/kg
Isopropanol	67-63-0	5840 mg/kg	>10000 ppm, 6h	>12800 mg/kg

Skin corrosion/irritation test subject (Rabbit Skin)

No data.

Serious eye damage/eye irritation test subject (Rabbit Eye)

No data.

11.5 Carcinogenicity

N-Methyl Pyrrolidone produced liver tumors and kidney effects in test animals.

Section 12. Ecological Information

12.1 Ecotoxicity

Ingredient	CAS No.	Fish
Isopropanol	67-63-0	LC50 fathead minnow, flow-through test, 96 h: 9460 mg/L
Di (ethylene glycol) ethyl ether	111-90-0	LC50 Oncorhynchus mykiss flow-through 11400 – 5700, 96 h
Dipropylene Glycol Monomethyl ether (DPM)	34590-94-8	LC50 Pimephales 10000: 96h Static
N-Methylpyrrolidone	8725-50-4	LC50 Salo gairdneri, 96h Static Test, >500 mg/L
Tributoxyethylphosphate	78-51-3	LC50 Pimephales promelas 10.4 – 12.0 mg/L 96 h

12.2 Persistence and degradability

Not determined

12.3 Bioaccumulative potential

Not determined

12.4 Mobility in soil

This product is water soluble and will move readily in soil and water

12.5 Other adverse effects

Minimal impact under normal conditions of use and storage. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Acute aquatic hazard is possible.

Section 13. Disposal Considerations

13.1 Waste treatment methods

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER.

All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations.

Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

Section 14. Transportation Information

Land Transport (DOT)

14.1 UN number	Not Regulated
14.2 Proper Shipping Name:	Not regulated
14.3 Transport Hazard Class:	Not Regulated
14.4 Packing Group	Not Regulated
14.5 Special Precautions for the user	Not Regulated

IATA (International Air Transport Association): No data

IMDG (International Maritime Dangerous Goods Code): No data

Section 15. Regulatory Information

US federal regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpart D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

No information.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

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

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical

Not listed

SARA 313 (TRI reporting)

	Weight %	CAS No
Di (ethylene glycol) ethyl ether	1 - 5	111-90-0
n-Methylpyrrolidone	1 - 5	872-50-4
Isopropanol	1 - 5	67-63-0

Other federal regulations

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

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)

Not regulated.

US State regulations

Massachusetts Right To Know Components

Di (ethylene glycol) ethyl ether CAS 111-90-0, Dipropylene Glycol Monomethyl ether CAS 34590-94-8, n-Methylpyrrolidone CAS 872-50-4, Isopropanol CAS 67-63-0

Pennsylvania Right To Know Components

Di (ethylene glycol) ethyl ether CAS 111-90-0, Dipropylene Glycol Monomethyl ether CAS 34590-94-8, n-Methylpyrrolidone CAS 872-50-4, Isopropanol CAS 67-63-0

New Jersey Right To Know Components

Di (ethylene glycol) ethyl ether CAS 111-90-0, Dipropylene Glycol Monomethyl ether CAS 34590-94-8, n-Methylpyrrolidone CAS 872-50-4, Isopropanol CAS 67-63-0

California Prop. 65 Components

N-Metyl Pyrrolidone produced liver tumors and kidney effects in test animals.

Section 16. Other Information

This material must not be used for direct contact with food.

The bacterial cultures in this product have been shown to be free of Salmonella and Shigella using procedures outlined by AOAC and USDA.

Hazardous Material Information System (HMIS)
Health: 1
Fire Hazard: 1
Reactivity: 0
 0 = None 4 = Extreme

Personal Protective Equipment **B – Safety Safety Glasses, Gloves**

SDS Issuing date: 11/18/2015
Version #: 01

The information above includes data compiled from Safety Data Sheets from manufactures' of each component of this product. Emtech Laboratories, Inc. believes the data contained herein are accurate. The data are not to be taken as warranty or representation for which Emtech Laboratories, Inc. assumes legal responsibility. They are offered solely for your consideration, investigation and verification. Any use of these data and information must be in accordance with applicable Federal, State and local laws and regulations.