



Safety Data Sheet

Section 1: Identification of the Product/Company

Product Identifier:

Product Name: SUPER STONE CONCRETE CONCENTRATED SEALER

Product Code:

Relevant identified uses of the substance or mixture

Recommended use:

Sealer and protective coating for pavers and other cementitious substrates

Uses advised against:

No additional information available

Details of the supplier of the safety data sheet

Manufacturer:

Super Stone Inc.
1251 Burlington Street
Opa-Locka, FL 33054
United States
www.superstone.com
(305) 681-3561

Telephone (General)

Emergency telephone number

Manufacturer: (800) 424-9300 (Chemtrec) USA
+ 1 (703) 527-3887 (Chemtrec) International

Section 2: Hazards Identification

Classification of the substance or mixture

GHS-US classification

Flammable liquids:	Category 2, H225
Flammable liquids:	Category 3, H226
Carcinogenicity:	Category 2, H351
Aspiration hazard:	Category 2, H305



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Label elements

GHS-US labeling

The substance is classified and labeled according to the Globally Harmonized System (GHS).

Hazard Pictograms (GHS-US)



GHS02



GHS07



GHS08

Signal words (GHS-US):

Danger

Hazards statements (GHS-US):

H225 Highly flammable liquid and vapor
H226 Flammable liquid and vapor
H305 May be harmful if swallowed and enter airways
H351 Suspected of causing cancer

Precautionary statements (GHS-US)

Prevention:

P210 Keep away from heat, hot surfaces, open flames, sparks –No smoking
P233 Keep container tightly closed
P243 Take precautionary measures against static discharge
P280 Wear protective gloves, clothing, and eye/face protection

Response:

P301+P312 IF SWALLOWED: Call POISON CENTER and or doctor if you feel unwell
P303 +P361 + P353 IF ON SKIN (or hair): Remove /Take off immediately all contaminated clothing. Rinse skin with water/shower
P331 DO NOT induce vomiting



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Storage:

P403+P235 Store in a well ventilated place. Keep cool

Disposal:

P501 Dispose of contents and containers in accordance with local, regional and international regulations

Precautionary statements are listed according to the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS)-Annex III

Other hazards

None known

Unknown acute toxicity (GHS-US)

No data available

Section 3: Composition/information on ingredients

Substances

Name	Product Identifier	% by weight	GHS-US classification
Aromatic Hydrocarbon	CAS # 64742-95-6	30-60	Flammable liquid 3, H226 Carcinogen 2, H351 Aspiration hazard 2, H305
t-Butyl Acetate	540-88-5	15-25	Flammable liquid 2, H225

Amounts specified are typical and do not represent a specification. Any other ingredients are either proprietary, non-hazardous or present in amounts below the reportable limits.

Section 4: First aid measures

Description of necessary first aid measures**First-aid measures general:**



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Take proper precautions to ensure your own health and safety before attempting rescue and providing first aid. Consult a physician and show this safety data sheet with the physician in attendance. Move out of dangerous area.

First-aid measures after inhalation:

If affected, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.

First-aid measures after skin contact:

Immediately remove contaminated clothing and shoes. Wash the affected area with plenty soap and water until no evidence of the chemical remains (at least 15-20 minutes). Launder clothing before reuse. Seek medical attention if symptoms occur.

First-aid measures after eye contact:

Immediately flush eyes with copious amount of clean water for an extended time (not less than 15 minutes). Flush longer if there is any indication of residual chemical in the eye. Ensure adequate flushing of the eyes by separating the eyelids with fingers and roll eyes in a circular motion. Seek medical attention if irritation develops or persists.

First-aid measures after ingestion:

Do not induce vomiting. Call a physician or poison control center immediately for further instructions. Never give anything by mouth to an unconscious or convulsing person. Rinse out the mouth with water. Get medical attention immediately.

Most important and effects, both acute and delayed

Symptoms:

The product may cause skin dryness or cracking, narcotic effects and respiratory irritation. Aspiration into the lungs, causing chemical pneumonia or delayed pulmonary edema may occur.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically

Section 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:

Use water fog, alcohol resistant foam, dry chemical or Carbon Dioxide

Unsuitable extinguishing media:

High volume water jet

Special hazards arising from the substance or mixture



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Fire hazard:

The product is a flammable liquid with accompanying flammable vapor. Keep containers tightly closed. Isolate the product from heat, electrical equipment, sparks, open flame and other sources of ignition. In this case fog nozzles are preferable.

Explosion hazard:

Closed containers may rupture when exposed to extreme heat.

Reactivity:

During a fire, irritating and or toxic gases and particulate may be generated by thermal decomposition or combustion.

Advice for firefighters

Firefighting instructions:

Use water spray to keep fire exposed containers cool.

Protection during firefighting:

Wear self-contained breathing apparatus (SCBA) equipped with a full face-piece and operated in a pressure demand mode (or other positive pressure mode) and approved protective clothing. Personnel without suitable protection must leave the area to prevent significant exposure to hazardous gases from combustion, burning or decomposition. In an enclosed or poorly ventilated area, wear SBCA during clean up immediately after a fire as well as during the attack phase of the fire-fighting operations.

Additional information

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

General measures:

Remove all sources of ignition (flame, hot surfaces and electrical, static or frictional sparks). Avoid contact and avoid breathing the vapors. Use self-contained breathing apparatus.

For non-emergency personnel

Protective equipment:

Wear chemical resistance (impervious) gloves

Emergency procedures:

Evacuate unnecessary personnel

For emergency responders

Protective equipment:



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Equip clean-up crew with proper protection. Use appropriate personal protection equipment (PPE)

Emergency procedures:

Ventilate area

Environmental precautions

Do not flush product into public sewer, water systems or surface waters.

Methods and material for containment and cleaning up

For containment:

Stop leak if without risk. Move containers from spill area. Contain by diking with sand, earth or other non-combustible material.

Methods for cleaning up:

Wear proper personal protective clothing and equipment. Absorb spill with an inert material. Place into labeled, closed container and store into a safe location to await disposal. Change contaminated clothing and launder before reuse.

Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protective equipment

See Section 13 for disposal information

Section 7: Handling and storage

Precautions for safe handling

Additional hazards when processed:

Precautions for safe handling:

Ensure good ventilation/exhaustion at the workplace. Do not breathe dust, vapor, mist or gas. Persons with a history of skin sensitization problems should not be employed in any process in which this product was used. Do not get in eyes

Hygiene measures:

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.

Conditions for safe storage, including any incompatibilities

Technical measures:

Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion proof electrical, lighting and ventilating equipment.

Storage conditions:



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Keep containers tightly closed and upright when not in use. Keep from freezing. Protect from physical damage.

Incompatible products:

See section 10

Incompatible materials:

See section 10

Storage area:

The product should be stored in a cool, dry and well ventilated area, at ambient temperature directly out of the sunlight.

Special rules on packaging:

Do not store in open, unlabeled or mislabeled containers. Keep containers closed at all times when not in use.

Specific end use(s)

Coating

Section 8: Exposure controls/personal protection

Control parameters

Occupational exposure limits:

For some aromatic constituents of C8 and C9

Chemical Name	CAS #	EXPOSURE LIMITS
Aromatic Hydrocarbon	64742-95-6	OSHA PEL 100 ppm ACGIH TLV 100 ppm
t-Butyl Acetate	540-88-5	OSHA PEL 200 ppm ACGIH TLV 200 ppm

Exposure controls

Appropriate engineering controls:

Ensure all national/local regulations are observed. Gas detectors should be used when flammable gases/vapors may be released. Proper grounding procedures to avoid static electricity should be followed. Use explosion proof equipment. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment:



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Hand protection:	Wear fire-proof clothing, protective goggles and gloves. Wear respiratory protection in a poor ventilated environment.
Eye protection:	Wear chemically resistant protective gloves
Skin and body protection:	Chemical goggles or safety glasses
Respiratory protection:	Wear fireproof clothing
Thermal hazard protection:	If exposure limits are exceeded or irritation is experienced, NIOSH approved respiratory protection should be worn.
Other information:	Wear suitable protection clothing
	When using, do not eat, drink or smoke

Section 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state:	Liquid
Appearance:	Very slight viscous liquid
Color:	Transparent/Clear
Odor:	Aromatic scent
Odor threshold:	Not determined
pH:	Not Applicable
Relative evaporation rate (butyl acetate=1):	Slower, 0.27
Boiling Range:	204-360° F
Melting point:	Not Determined
Freezing point:	Not Determined
Auto-ignition temperature:	Not available
Decomposition temperature:	Not Determined
Flammability (solid, gas):	Not Applicable
Vapor pressure:	6 mm Hg
Flash Point:	59° F
Flash Point Method:	Pensky-Martens Closed Cup
Relative vapor density @ 20 °C:	Heavier than air (3.7)



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Relative density:	0.93
Density:	7.75 lbs / gal
Solubility:	Insoluble in water
Log Pow:	2.1-6 (calculated)
Log Kow:	Not available
Viscosity, kinematic:	Not available
Viscosity, dynamic:	Not available
Explosive properties:	None, however formation of explosive air/vapor mixture is possible
Oxidizing properties:	None known
Explosive limits:	1.7% (V) lower & 9.8% (V) upper

Other information:

No further relevant information available

Section 10: Stability and reactivity

Reactivity

Exothermic reactions including polymerization may occur in contact with amines, strong acids, strong bases, alcohols, strong oxidizing agents and excessive heat.

Chemical Stability

Product is stable under normal storage conditions

Conditions to Avoid

High temperatures (excessive heat) over a period of time and sources of ignition degrade the resin

Incompatible Materials

Avoid strong acids, bases and strong oxidizers. Avoid contact with amines.

Hazardous Decomposition Products

Thermal decomposition may produce smoke, Carbon Monoxide, Carbon Dioxide, Aldehydes and other products of incomplete combustion. Phenolics

Section 11: Toxicological information

Information on toxicological effects

TOXICITY MEASURES:

Chemical Name	LD50/LC50
Aromatic Hydrocarbons	Oral LD50: Rat >2,900 mg/kg Dermal LD50: Rabbit >3,160 mg/kg Inhalation LC50: Rat ~2,900 mg/m ³



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t-Butyl Acetate	Oral LD50: Rat 4,100 mg/kg Dermal LD50: Rabbit 2,000 mg/kg Inhalation LC50: Rat 2,230 mg/m ³
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Skin corrosion/irritation:

May cause skin irritation and drying

Serious eye damage/irritation:

Mildly irritating with vapor irritation above 75 ppm, but will not cause damage

Respiratory or skin sensitization:

Not classified, not sensitizing

Germ cell mutagenicity:

This product presents positive results of mutagenicity in in vitro studies.

Carcinogenicity:

Possibility of being a human carcinogen (IARC 2B)

Reproductive toxicity:

This product is suspected as a human reproductive toxicant

Specific target organ toxicity (single exposure):

May cause dizziness and drowsiness

Specific target organ toxicity (repeated exposure):

May cause damage to organs (Central Nervous System) through prolonged or repeated exposure

Aspiration hazard:

May be harmful if swallowed and enters airways

Symptoms/injuries after inhalation:

The product contains organic solvents which in case of overexposure may depress the central nervous system. Abusive inhalation has been reported to be associated with birth defects in the offspring of the abusers.

Symptoms/injuries after eye contact:

Burning and stinging of the eyes may persist

Symptoms/injuries after ingestion:

Harmful if swallowed as product may enter lungs

Section 12: Ecological information

All work practices must be aimed at eliminating environmental contamination.

Toxicity

May cause long term adverse effects in the aquatic environment.



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Persistence and degradability

In biodegradable studies, this product was not readily biodegradable.

Bio-accumulative potential

The constituents of this product have a potential to bio-accumulate.

Mobility in soil

This product is insoluble in water and will spread on the water surface, expected to move slowly

Other adverse effects

Not determined for this product

Section 13: Disposal considerations

Waste treatment methods

Regional legislation (waste):

Dispose of unused contents (incineration) in accordance with national and local regulations.

Waste disposal recommendations:

Ensure the use of properly authorized waste management companies where appropriate.

Section 14: Transport information

In accordance with ICAO/IATA/DOT/TGD

Land transport

Department of transportation (DOT):

This product is classified as Dangerous Goods, per U.S DOT regulations, under 49 CFR 172.101

UN No:	1263
Proper Shipping Name:	Paint Related Material (Solvent Resin solution)
Hazard classes:	3
Hazard labels (DOT):	Flammable material
Packing group (DOT):	III
DOT Label(s) required:	Class 3 (Flammable)
DOT Special Provisions (49 CFR 172.102):	83
Explosive Limit and Limited Quantity Index:	5
ERAP Index:	None
Passenger Carrying Ship Index:	None
Passenger Carrying Road or Rail Vehicle Index:	60

Additional information

Emergency Response Guide (ERG) Number:	128
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Other information:

Transport by sea

INTERNATIONAL MARITIME ORGANIZATION SHIPPING INFORMATION (IMO)

UN No.:	1263
Proper Shipping Name:	Paint Related Material (Solvent Resin solution)
Hazard Class Number:	3 (Flammable)
Labels:	Class 3 (Flammable)
Packing Group:	III
Special Provisions:	None
Limited Quantities:	5 Liters
Excepted Quantities:	E2
Packing:	Instructions: P001; Provisions: PP1
IBCs:	Instructions: IBC02; Provisions: None
Tanks:	Instructions: T4; Provisions: T1, TP8
EmS:	F-E, S-E
Stowage Category:	Category B
Marine Pollutant:	Designated as a marine pollutant

Air transport

INTERNATIONAL AIR TRANSPORT ASSOCIATION SHIPPING INFORMATION (IATA):

This product is classified as dangerous goods per IATA

UN Number:	1263
Proper Shipping Name:	Paint Related Material (Solvent Resin solution)
Hazard Class or Division:	3 Flammable
Hazard Label(s) Required:	Class 3 (Flammable)
Packing Group:	III
Excepted Quantities:	E2
Passenger & Cargo Aircraft Packing Instructions:	353
Passenger & Cargo Aircraft Maximum Net Quantity per package:	5 Liters
Passenger & Cargo Aircraft Limited Quantity Packing Instructions:	Y341
Passenger & Cargo Aircraft Limited Quantity Maximum Net Quantity per package:	1 Liter
Cargo Aircraft Only Packing Instructions:	364
Cargo Aircraft Only Maximum Net Quantity per Package:	60 Liters
Special Provisions:	A3
ERG Code:	3L



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Section 15: Regulatory information

U.S. Federal Regulations

U.S. OSHA Regulatory Status:

This material is classified as hazardous under OSHA regulations

U.S SARA Reporting Requirements:

The following components of this product are subject to reporting requirements of sections 302, 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act.

CHEMICAL	SECTION 302 EHS (TPQ) (40 CFR 355, Appendix A)	SECTION 304 RQ (40 CFR Table 302.4)	SECTION 313 TRI (40 CFR 372.65)
Aromatic Hydrocarbons	No	No	Yes
t-Butyl Acetate	No	No	No

SARA Section 311/312 (40 CFR 370) Hazard Categories:

ACUTE: Yes; CHRONIC: Yes; FIRE: Yes; REACTIVE: No; SUDDEN RELEASE: No

Toxic Substances Control Act (TSCA):

All components of this product are included on the TSCA inventory

U.S. CERCLA Reportable Quantity (RQ):

Not subjected to reporting requirements

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65):

This product does contain a certain chemical known to the State of California to cause cancer or developmental harm.

European Inventory of Existing Chemicals (EINECS):

All of the components of this product are included on EINECS.

Section 16: Other information

Indication of changes:

Other information:



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NFPA health hazard: 2-Moderately toxic or hazardous material which require additional PPE or equipment than safety goggles and gloves.

NFPA fire hazard: 3-A flammable liquid or solid which can be readily ignited.

NFPA reactivity: 0-Normally stable, even under fire exposure conditions, and not reactive with water

Notice to Reader

The information provided herein is believed to be accurate at the time of preparation or prepared from sources deemed to be reliable, but it is the full responsibility of the user to investigate and comprehend other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of the product and to determine the suitability of the product for its intended use. **Super Stone Inc. makes no warranty, expressed or implied, concerning the product or merchantability or fitness thereof for any purpose or concerning the accuracy of any information provided by Super Stone Inc.,** except that the product shall conform to Super Stone's specification.