



## Safety Data Sheet

### Section 1: Identification of the Product/Company

#### Product Identifier:

**Product Name:** CONCRETE-CLEANER-DEGREASER

**Product Code:**

#### Relevant identified uses of the substance or mixture

##### Recommended use:

As a concrete surface cleaner and degreaser

##### 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](http://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 4, H227
Skin irritation:	Category 2, H315
Eye irritation:	Category 2A, H319
Reproductive toxicity:	Category 1B, H360
Specific target organ systemic toxicity (single exposure):	Category 3, H335



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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)



GHS07



GHS08

#### Signal words (GHS-US):

Danger

#### Hazards statements (GHS-US):

H227 Combustible liquid  
H315 Causes skin irritation  
H319 Causes serious eye irritation  
H335 May cause respiratory irritation  
H360 May damage fertility or the unborn child

#### Precautionary statements (GHS-US)

##### Prevention:

P201 Obtain special instructions before use  
P202 Do not handle until all safety precautions have been read and understood.  
P210 Keep away from heat, hot surfaces, open flames, sparks –No smoking  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray  
P264 Wash skin thoroughly after handling  
P271 Use only outdoors or in a well ventilated area  
P280 Wear protective gloves, clothing, and eye/ face protection

#### Response:



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P302+P352 IF ON SKIN: Wash with plenty soap and water

P304+P340+P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P308+P313 IF exposed or concerned. Get medical advice/ attention

P332+P313 If skin irritation occurs. Get medical advice/ attention

P337+P313 If eye irritation persists. Get medical advice/ attention

P362 Take off contaminated clothing and wash before reuse

P370+P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish

### Storage:

P403+P233 Store in a well-ventilated place. Keep container tightly closed

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

P405 Store locked up

### 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

### Unknown acute toxicity (GHS-US)



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No data available

### Section 3: Composition/information on ingredients

#### Substances

Name	Product Identifier	% by weight	GHS-US classification
1-Methyl-2-Pyrrolidone	CAS # 872-50-4 EC # 212-828-1	5-25	Flammable liquid 4, H227 Skin irritation 2, H315 Eye irritation 2A, H319 Reproductive toxicity 1B, H335 STOT SE 3, H360

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:

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. Consult a physician

##### 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



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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 most important known symptoms and effects are described in labelling of Section 2 and or in Section 11.

### **Indication of any immediate medical attention and special treatment needed**

Treat symptomatically

## **Section 5: Firefighting measures**

### **Extinguishing media**

#### **Suitable extinguishing media:**

Use water spray, alcohol-resistant foam, dry chemical or Carbon Dioxide

#### **Unsuitable extinguishing media:**

Not determined

### **Special hazards arising from the substance or mixture**

#### **Fire hazard:**

The product is a combustible liquid. Keep containers tightly closed. Isolate the product from heat, electrical equipment, sparks, open flame and other sources of ignition.

#### **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



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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:

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



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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:

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



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### Control parameters

#### Occupational exposure limits:

For some aromatic constituents of C8 and C9

Chemical Name	CAS #	EXPOSURE LIMITS
1-Methyl-2-Pyrrolidone	872-50-4	OSHA PEL 10 ppm ACGIH TLV 10 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:

Wear fire-proof clothing, protective goggles and gloves. Wear respiratory protection in a poor ventilated environment.

Hand protection:

Wear chemically resistant protective gloves

Eye protection:

Chemical goggles or safety glasses

Skin and body protection:

Wear fireproof clothing

Respiratory protection:

If exposure limits are exceeded or irritation is experienced, NIOSH approved respiratory protection should be worn.

Thermal hazard protection:

Wear suitable protection clothing

Other information:

When using, do not eat, drink or smoke

## Section 9: Physical and chemical properties





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### Information on basic physical and chemical properties

<b>Physical state:</b>	Liquid
<b>Appearance:</b>	
<b>Color:</b>	Transparent Amber
<b>Odor:</b>	Pine-like
<b>Odor threshold:</b>	Not determined
<b>pH:</b>	Not Applicable
<b>Relative evaporation rate (butyl acetate=1):</b>	Slower, 0.27
<b>Boiling Range:</b>	>212° F
<b>Melting point:</b>	Not Determined
<b>Freezing point:</b>	7° F
<b>Auto-ignition temperature:</b>	Not available
<b>Decomposition temperature:</b>	Not Determined
<b>Flammability (solid, gas):</b>	Not Applicable
<b>Vapor pressure:</b>	Not Determined
<b>Flash Point:</b>	196° F
<b>Flash Point Method:</b>	Tag Closed Cup
<b>Relative vapor density @ 20 °C:</b>	Heavier than air
<b>Relative density:</b>	1.1
<b>Density:</b>	9.16 lbs / gal
<b>Solubility:</b>	Insoluble in water
<b>Log Pow:</b>	-0.46
<b>Log Kow:</b>	Not available
<b>Viscosity, kinematic:</b>	Not available
<b>Viscosity, dynamic:</b>	Not available
<b>Explosive properties:</b>	None, however formation of explosive air/vapor mixture is possible
<b>Oxidizing properties:</b>	None known
<b>Explosive limits:</b>	1.3% (V) lower & 9.5% (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.



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### **Chemical Stability**

Product is stable under normal storage conditions

### **Conditions to Avoid**

Heat, flames and sparks

### **Incompatible Materials**

Avoid strong acids, bases and strong oxidizers.

### **Hazardous Decomposition Products**

No data available

## Section 11: Toxicological information

### Information on toxicological effects

#### TOXICITY MEASURES:

Chemical Name	LD50/LC50
1-Methyl-2-Pyrrolidone	Oral LD50: Rat 3,914 mg/kg Dermal LD50: Rabbit 8,000 mg/kg Inhalation LC50: Rat >5,100 ppm/ 4 h

#### **Skin corrosion/irritation:**

Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2)

#### **Serious eye damage/irritation:**

Eye irritation possible

#### **Respiratory or skin sensitization:**

No data available

#### **Germ cell mutagenicity:**

No data available

#### **Carcinogenicity:**

No component of this product at levels greater or equal to 0.1% is identified as probable, potential, possible or confirmed carcinogen by IARC, ACGIH, NTP and OSHA.

#### **Reproductive toxicity:**

Damage to fetus possible

No data available

#### **Specific target organ toxicity (single exposure):**

Inhalation-May cause respiratory irritation

#### **Specific target organ toxicity (repeated exposure):**

No data available

#### **Aspiration hazard:**



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No data available

### **Symptoms/injuries after inhalation:**

Prolonged or repeated exposure can cause: Vomiting, Diarrhea, Abdominal pain

### **Additional information:**

Bone marrow irregularities possible

## 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.

### **Persistence and degradability**

In biodegradable studies, this product is 90 per cent readily biodegradable.

### **Bio-accumulative potential**

No data available

### **Mobility in soil**

Not data available

### **Other adverse effects**

Not determined for this product

## Section 13: Disposal considerations

### **Waste treatment methods**

#### **Regional legislation (waste):**

This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company.

#### **Waste disposal recommendations:**

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

## Section 14: Transport information

In accordance with ICAO/IATA/DOT/TGD

### **Land transport**

#### **Department of transportation (DOT):**



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This product is not classified as dangerous goods per IATA

### Transport by sea

#### INTERNATIONAL MARITIME ORGANIZATION SHIPPING INFORMATION (IMO)

This product is not classified as dangerous goods per IMO

### Air transport

#### INTERNATIONAL AIR TRANSPORT ASSOCIATION SHIPPING INFORMATION (IATA):

This product is not classified as dangerous goods per IATA

## 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)
1-Methyl-2-Pyrrollidone	No	No	Yes

#### 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):

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm

#### European Inventory of Existing Chemicals (EINECS):

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



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### Section 16: Other information

**Indication of changes:**

**Other information:**

Full text of H phrases:

<b>STOT SE 3</b>	Specific Target Organ Toxicity-Single Exposure, Category 3, Narcosis



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

**NFPA fire hazard:** 2-Liquids and solids must be moderately heated or exposed to a high ambient temperature before ignition can occur.

**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.