



**SAFETY DATA SHEET**

**SECTION 1**

**MATERIAL IDENTIFICATION**

**PRODUCT NAME / DESCRIPTION: SIL-SHINE**

DISTRIBUTED / MANUFACTURED BY:  
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**FUNCTION: Concrete Coating**

**SECTION 2**

**HAZARD IDENTIFICATION**

**CLASSIFICATION:**

Flammability:	Category 1
Acute Toxicity:	Category 5
Skin corrosion/irritation:	Category 3
Serious Eye Damage/Eye Irritation:	Category 2
Carcinogenicity:	Category 2
Reproductive Toxicity:	Category 2
Target Organ Specific Toxicity (TOST): Acute	Category 2
Target Organ Specific Toxicity (TOST): Chronic	Category 1
Aspiration:	Category 1
Aquatic Toxicity: Acute	Category 3
Aquatic Toxicity: Chronic	Category 4

SIGNAL WORD:

**DANGER!**

**HAZARD STATEMENTS:**

Extremely flammable liquid and vapor  
Causes mild skin irritation  
Suspected of causing cancer  
May cause damage to organs  
May be fatal if swallowed and enters airways  
May cause long lasting harmful effects to aquatic life

May be harmful if swallowed  
Causes serious eye irritation  
Suspected of damaging fertility or the unborn child  
Causes damage to organs through prolonged or repeated exposure  
Harmful to aquatic life



**PRECAUTIONARY STATEMENTS:**

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Use personal protective equipment as required.  
Avoid breathing dust, fumes, gas, mist, vapors or spray.  
Use only outdoors or in a well ventilated area.

Wash all exposed skin thoroughly after handling.  
 Avoid release to the environment.  
 If medical advice is needed, have product container or label at hand.  
 Keep out of reach of children.  
 Read label before use.  
 Keep container tightly closed.  
 Keep only in original container.  
 Do not get in eyes, on skin or on clothing.  
 Do not eat, drink or smoke when using this product.  
 Keep away from heat, sparks, open flames or hot surfaces. No smoking.  
 Do not spray on open flame or ignition source.  
 Keep store away from clothing or combustible materials.  
 Take any precaution to avoid mixing with combustibles.  
 Wear fire/flame resistant/retardant clothing.  
 In case of fire, stop leak if safe to do so.  
 In case of fire, eliminate all ignition sources if safe to do so.  
 Ground/bond container and receiving equipment.  
 Use explosion proof electrical, ventilating, lighting and other equipment.  
 Use only non-sparking tools.  
 Take precautionary measures against static discharge.  
 Do not subject to grinding, shock or friction.  
 In case of fire, evacuate area. Fight fire remotely due to risk of explosion.  
 Avoid contact during pregnancy/while nursing.

Toxicity:  
 See section 11

### SECTION 3

### HEALTH HAZARDS

<u>Chemical Name</u>	<u>CAS No.</u>	<u>% W/W</u>
Dimethyl Carbonate	616-38-6	< 65
Solvent Naphtha, Light Aromatic	64742-95-6	< 5
Solvent Naphtha, Heavy Aromatic	64742-94-5	< 10
Xylene (Proprietary Formula)	1330-20-7	< 5

### SECTION 4

### FIRST AID MEASURES

#### Potential acute health effects:

<b>Eyes:</b>	May cause severe irritation, burns and/or damage.
<b>Skin:</b>	May cause severe irritation, burns and/or damage.
<b>Inhalation:</b>	May cause severe irritation.
<b>Ingestion:</b>	May cause irritation, corrosion, ulceration, nausea and vomiting.
<b>Medical conditions aggravated by exposure:</b>	None known.
<b>Eye contact:</b>	Immediately flush eyes with cool running water. Lift and separate eye lids while flushing with plenty of water for at least 15 minutes. Get medical attention.
<b>Skin contact:</b>	Wash with soap and water. Get medical attention if irritation occurs. Wash clothing before reuse. Destroy contaminated shoes.
<b>Inhalation:</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms develop.
<b>Ingestion:</b>	No NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Give plenty of water.

### SECTION 5

### FIRE FIGHTING MEASURES

**Fire hazard classification (OSHA/NFPA):** 2  
**Extinguishing media:** As required for fire being fought.  
**Special fire fighting procedures:** Use self-contained breathing apparatus.  
**Hazardous combustion products:** None known.

## SECTION 6

## ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures:

**Containment procedures:** Wear protective clothing as described in Section 8 of this Safety Data Sheet.  
Stop the flow of material, if this is without risk.  
Wear appropriate protective equipment and clothing during clean up.  
**Clean up procedures:** Do not allow the spilled product to enter public drainage system or open water sources.  
Sweep up or gather material and place in appropriate container for disposal.  
Wash spill area thoroughly.  
Wear appropriate protective equipment during clean up.  
Dispose of collected material according to regulations.

## SECTION 7

## HANDLING AND STORAGE

**Handling:** Avoid contact with eyes, skin and clothing.  
Do not take internally.  
For industrial use only.  
Wash after handling.  
Do not breathe dust, vapor or gas.  
**Storage:** Keep this and all chemicals out of reach of children.  
Keep away from heat, sparks, and open flames.  
Prevent spills.  
Keep container tightly closed and in a cool, well ventilated place away from incompatible materials.  
Empty product containers may contain product residue, do not reuse.

## SECTION 8

## EXPOSURE CONTROLS/PERSONAL PROTECTION

**Ventilation system:** Always keep exposure below permissible exposure limits.  
In general, dilution ventilation is a satisfactory health control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.  
**Airborne exposure limits:** None established.  
**Personal protection:** As prescribed in the OSHA Standard for Personal Protective Equipment (29 CFR 1920.132), employees must perform a Hazard Assessment of all workplaces to determine the need for, and selection of, proper protective equipment for each task performed.  
**Eyes:** Wear face shield, safety glasses or chemical goggles.  
**Hands and skin:** For prolonged or repeated handling, use impervious gloves. Gloves should be tested to determine suitability for prolonged contact. Use of impervious apron and boots are recommended.  
**Respiratory:** If ventilation is not sufficient, appropriate NIOSH/MSHA respiratory protection must be provided.  
**Work practices:** Eye wash fountain and emergency showers are recommended.

## SECTION 9

## PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Liquid  
Color: Clear  
Odor: Solvent  
Odor Threshold: No data available  
pH: No data available

Boiling point:	N/A
Melting point:	No data available
Flash Point:	N/A
Evaporation Rate (Butylacetate=1):	No data available
Flammability (solid, gas):	Flammable
Upper Explosion Limit (UEL):	N/A
Lower Explosion Limit (LEL):	N/A
Vapor Pressure:	No data available
Vapor Density:	No data available
Specific gravity (Water=1):	1.05 +/- 0.05
Solubility water:	Insoluble
Partition coefficient:	No data available
Auto ignition Temperature:	N/A
Decomposition Temperature:	No data available
Viscosity (cSt):	N/A

## SECTION 10

## STABILITY AND REACTIVITY

Stability:	This product is stable under normal temperatures and pressures.
Incompatibility:	Strong oxidizers.
Decomposition products:	Unknown.
Conditions to avoid:	Extreme heat.

## SECTION 11

## TOXICOLOGICAL INFORMATION

Raw Material	Test	Result	Route	Species
Dimethyl Carbonate (616-38-6)	LD50	6000 mg/kg	Oral	Rat
Solvent Naphtha, Heavy Aromatic (64742-94-5)	LD50	> 6000 mg/kg	Oral	Rat
Xylene (1330-20-7)	LD50	4300 mg/kg	Oral	Rat
See Section 4 for symptoms				

<b>Carcinogenicity:</b>	Solvent Naphtha, Light Aromatic is a suspected carcinogen based on evidence of human or animal carcinogenicity. Solvent Naphtha, Heavy Aromatic is a suspected carcinogen based on evidence of human or animal carcinogenicity. A by-product of Xylene is a known or presumed carcinogen based on human or animal evidence.
<b>Mutagenicity:</b>	No known mutagens.
<b>Reproductive Toxins:</b>	Solvent Naphtha, Light Aromatic is a suspected reproductive toxin based on human or animal evidence.

## SECTION 12

## ECOLOGICAL INFORMATION

Raw Material	Test	Result	Time	Species
Dimethyl Carbonate (616-38-6)	EC50	9 mg/L	96 hr	Algae
<b>Persistence and degradability:</b>	No data available			
<b>Bioaccumulation potential:</b>	No data available			
<b>Mobility in soil:</b>	No data available			

## SECTION 13

## DISPOSAL CONSIDERATIONS

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management conditions. State and local disposal regulations may differ from federal disposal regulations. Dispose container and unused contents in accordance with federal, state and local requirements.

## SECTION 14

## TRANSPORT INFORMATION

RESIN SOLUTION, FLAMMABLE  
3, UN1866, PG II  
LABEL/PLACARD REQUIRED

**SECTION 15**

**REGULATORY INFORMATION**

**US FEDERAL REGULATIONS**

**SARA (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):**

**SARA 302:** Extremely hazardous substances list: NA  
**SARA 312:** Hazard category: NA  
**SARA 313:** Toxic chemicals list: NA

**CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT):** NA

**RCRA (RESOURCE CONSERVATION AND RECOVERY ACT) LISTED HAZARDOUS WASTES:** NA

**CWA (CLEAN WATER ACT) LISTED SUBSTANCES:** NA

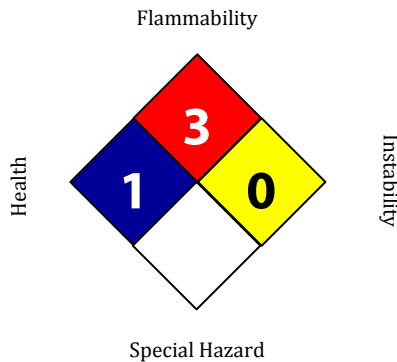
**FDA (FOOD AND DRUG ADMINISTRATION):** NA

**TSCA (TOXIC SUBSTANCES CONTROL ACT):** ALL INGREDIENTS LISTED

**SECTION 16**

**OTHER INFORMATION**

**NFPA:**



**HMIS III:**

<b>HEALTH</b>	<b>1</b>
<b>FLAMMABILITY</b>	<b>3</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

**0 = not significant**  
**1 = slight**  
**2 = moderate**  
**3 = high**  
**4 = extreme**  
**\* = chronic**

THIS INFORMATION IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.