



# SAFETY DATA SHEET

## I. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : CMI Stoneseal 391 Glossy Sealer  
MAIN USE : Water repellent coating for stones and etc.  
COMPANY : CMI Construction Material Industry Sdn. Bhd.  
7, Jalan Sungai Jerluh 32/196,  
Bukit Kemuning, Seksyen 32,  
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Selangor Darul Ehsan,  
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## II. COMPOSITION / INFORMATION ON INGREDIENTS

<u>MATERIALS</u>	<u>PROPORTION</u>	<u>CAS NO.</u>
Acrylic polymer	20% - 50%	
Aromatic hydrocarbon	Remaining proportion	

## III. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW:

Warning! Flammable.  
Harmful if inhaled or swallowed.  
May cause moderate skin irritation and severe eye irritation.  
Excessive inhalation causes headache, dizziness and nausea.

### POTENTIAL HEALTH EFFECTS:

Eye : Severe irritation, redness, tearing, blurred vision.  
Skin : Moderate irritation, drying of skin  
Inhalation : Headaches, nausea  
Ingestion : Vomiting, nausea and diarrhea, irritation of mouth, throat, and stomach.

## IV. FIRST AID MEASURES

Eye contact : Immediately flush eye with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.  
Skin contact : Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.  
Inhalation : Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician immediately.



## SAFETY DATA SHEET

Ingestion : Vomiting may occur spontaneously, but do not induce. If vomiting occurs, keep head below hips to prevent aspiration into lungs. Never give anything by mouth to an unconscious person. Call a physician immediately.

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### V. FIRE FIGHTING MEASURES

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Suitable extinguishing media: Water fog or fine spray, carbon dioxide, dry chemical, foam water fog

Special protective equipment for fire fighting: Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing. Use dry chemical, alcohol foam or carbon dioxide. Water may be ineffective. Water spray may be used to keep fire exposed container cool.

Explosion: Above flash point, vapour-air mixtures are explosive within flammable limits noted above. Vapors can flow along surfaces to distant ignition source and flash back. Sensitive to static discharge.

Other information: Dense smoke is produce when product burns. Violent steam generation or eruption may occur upon application of direct water stream. Vapors are heavier than air and may travel a long distance and accumulate in low areas. In case of a fire, wear full protective clothing and NIOSH approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

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### VI. ACCIDENTAL RELEASE MEASURES

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Person-related precautionary measures: Do not breathe vapors. Eliminate all source of ignition in vicinity of spills or released vapor to avoid fire or explosion. Check area with explosion meter before re-entering area.

Environmental protection measures: Evacuate upwind of spills and contain with dike.

Procedures for cleaning/absorption:

Pump with explosion-proof equipment. Remove residue with hot soapy water. Solvents are not recommended for cleanup unless recommended. Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment as specified in Section VIII. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material ( e.g. vermiculite, dry sand, earth) and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush into sewer. If a leak or spill has not ignited, use water spray to disperse the vapors, to protect personnel attempting to stop leak and to flush spills away from exposures.

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### VII. HANDLING AND STORAGE

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Handling : Wash thoroughly after handling. Use with adequate ventilation. Ground and bond containers when transferring material. Avoid contact with eyes, skin and clothing. Empty containers retain product residue, (liquid and/or vapour), and can be dangerous. Keep container tightly closed. Avoid contact with heat, sparks and flame. Avoid ingestion and inhalation. Do not pressurize, cut, weld, braze, solder, drill, grind or expose empty containers to heat, sparks or open flames.  
Protect against physical damage. Store in a cool, dry well-ventilated location, away from any area where the fire hazard may be acute. Outside or detached storage is preferred. Separate from incompatibles. Containers should be bonded and grounded for transfers to avoid static sparks. Storage and use areas should be "No Smoking" areas. Use non-sparking type tools and equipment, including explosion proof ventilation. Do not attempt to clean empty containers since residue is difficult to remove. Do not pressurize, cut weld, braze, solder, drill, grind or expose such containers to heat, sparks, flame, static electricity or other sources of ignition. They may explode and cause injury or death. Containers of



## SAFETY DATA SHEET

this material may be hazardous when empty since they retain product residues (vapors, liquid). Observe all warnings and precautions listed for the products.

Storage : Keep away from heat, sparks and flame. Keep away from sources of ignition. Keep container closed when not in use. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from compatible substances.

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### VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION

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**Specific control parameter:**

BAC: ACGIH TLV is 100ppm (TWA), 100ppm (STEL), skin

ACGIH classifies as A4.

OSHA PEL is 100ppm (TWA), 100ppm (STEL).

The BAC PEL and STEL are in accordance with the OSHA-industry agreement

**Airborne exposure limits:**

OSHA Permissible Exposure Limit (PEL): 100ppm (TWA)

ACGIH Threshold Limit value (TLV): 100ppm (TWA), 100ppm (STEL)

**Ventilation system:**

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure limits. Use explosion-proof equipment.

**Personal Respirators:**

If the exposure limit is exceeded, a half-faced organic vapor respirator may be worn for up to ten times the exposure limits or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. A full-face piece organic vapor respirator may be worn up to 50 times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. For emergencies or instances where the exposure levels are not known, use a full-face piece positive-pressure, air-supplied respirator.

**Personal protective equipment:**

Hand /Body protection : Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.  
Eye protection : Wear chemical safety goggles and/or a full-face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.  
Respiratory protection : Use with adequate ventilation. Always use NIOSH or European Standard EN149 approved respirator that will protect against organic vapor and dust/mist.

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### IX. PHYSICAL AND CHEMICAL PROPERTIES

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Appearance	: Clear liquid	Explosion limits	: Lower 1.2% Upper 8.6%
Odour	: Solvent		
Boiling temperature	: 138°C (280°F)		
Flash point	: 28°C (77°F)		
Vapour pressure	: 11 mmHg at 25°C		
Specific gravity	: 0.85 – 0.95		
Solubility in water	: Insoluble		



## SAFETY DATA SHEET

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### X. STABILITY AND REACTIVITY

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Conditions to avoid : Exposure to excessive heat or direct sunshine or open flame; storage in open containers; storage above 38°C (100°F). Contamination with oxidizing agents.

Incompatible materials : Strong alkalis, strong mineral acids and oxidizing agents. Dangerous when exposed to heat or flame; can react with oxidizing materials, strong alkalis acids, nitrates and potassium-tert-butoxide.

Hazardous decomposition products: Carbon dioxide and carbon monoxide.

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### XI. TOXICOLOGICAL INFORMATION

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Acute Oral LD<sub>50</sub> (mg/kg): 4,300

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### XII. ECOLOGICAL INFORMATION

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Ecotoxicological information : No data at this time. Do not allow to escape into waters, wastewater or soil.

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### XIII. DISPOSAL CONSIDERATIONS

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Waste products should not be discharged directly into drains or waterways without treatment. Disposal of product and containers should always comply with local and national regulations. The container for this product can present explosion or fire hazards, even when emptied. To avoid risk of injury, do not cut, puncture or weld on or near this container. Since the emptied containers retain product residue, follow label warnings even after container is emptied.

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### XIV. TRANSPORT INFORMATION

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Proper Shipping Name : Resin solution  
DOT Hazard Class : 3  
DOT Label (S) / Placards : Flammable liquid  
UN Number : UN1866  
IMO IMDG Code : 3  
Packing Group : III  
IATA : Resin solution, 3, UN1866, III

## SAFETY DATA SHEET

### XV.REGULATORY INFORMATION

SARA 311/312:				
Acute	Chronic	Fire	Pressure	Reactivity
Yes	Yes	No	No	No

Hazard Rating Systems:				
	Health Hazard	Fire Hazard	Reactivity	Protective Equipment
HMIS	1	3	0	U
NFPA	1	3	0	

**Label Hazard Warning:**

WARNING! FLAMMABLE LIQUID AND VAPOR. HARMFUL IF SWALLOWED OR INHALED. CAUSES SEVERE IRRITATION TO EYES. CAUSES IRRITATION TO SKIN AND RESPIRATORY TRACT.AFFECTS CENTRAL NERVOUS SYSTEM.

**Label Precautions:**

Keep away from heat, sparks and flame.  
Keep container closed  
Use only with adequate ventilation  
Avoid contact with eyes, skin and clothing  
Wash thoroughly after handling  
Avoid breathing vapor.

**Label First Aid:**

In case of contact, immediately flush eye or skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. In all cases, get medical attention.

### XVI.OTHER INFORMATION

Date of preparation: 8<sup>th</sup> August 2019

The information given here is to the best of our knowledge true and accurate and is provided solely for making safety assessments. It is not a sales specification or an indication of suitability for a particular use. Recipients of our product must take responsibility for observing existing laws and regulations.