



Material Safety Data Sheet

NON HAZARDOUS – CHEMICAL IDENTIFICATION CODE NOT APPLICABLE

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY UNDERTAKING:

Product Name : CEMCURE WB
HS CODE : 28391100
Application : Water Based Concrete Curing Compound
Manufacturer : MATEX CONSTRUCTION CHEMICALS
MANUFACTURING CO. L.L.C.
Address : P.O. Box 29585
Telephone : +971 4 3334140
Fax : +971 4 3334115
Email : info@matex.ae
Website : www.matex-global.com

2. HAZARDS IDENTIFICATION:

HMICS Rating	Health	Flammability	Physical Hazardous	
	3	0	0	
WHMIS Class	:	D2B		
Primary Routes of Entry	:	Eye contact Skin contact		
Effect of Overexposure:				
Inhalation	:	May cause irritation of respiratory tract.		
Skin	:	Can cause severe irritation.		
Eyes	:	Can cause severe irritation, redness, tearing and blurred vision.		
Ingestion	:	Irritating to mouth, throat and stomach.		
Chronic Exposure	:	No known components of this product are listed as known or suspected carcinogens per NIOSH, NTP, IARC, or OSHA. Existing respiratory or skin ailments may be aggravated by exposure.		
Carcinogenicity:				
	ACGIH	IARC	NTP	OSHA
Silica Acid, Sodium Salt	N.E.	N.E.	N.E.	N.E.

Material Safety Data Sheet

3. COMPOSITION / INFORMATION ON INGREDIENTS:

<u>Chemical</u>	<u>CAS No.</u>	<u>TLV</u>	<u>STEL</u>	<u>PEL</u>	<u>CEIL</u>
Silica Acid, Sodium Salt	1344-09-8	N.E.	N.E.	N.E.	N.E.

All constituents of this product are listed in EINECS (European Inventory of Existing Commercial Chemical Substances) or ELINCS (European List of New Chemical Substances) or are exempt.

Refer to Section 8 for Occupational Exposure Limits.

Ingredients	% Proportion	CAS No.
Silica Acid Sodium Salt	20	1344-09-08
Water	80	7732-18-5

4. FIRST AID MEASURES:

Eye contact	:	Flush eyes with water, lifting upper and lower lids occasionally for 15 minutes. Seek medical attention.
Skin contact	:	Remove contaminated clothing. Wash thoroughly with soap and water. If irritation persists seek medical attention. Wash contaminated clothing before reuse.
Ingestion	:	Do not induce vomiting without medical advice. If conscious, drink plenty of water. If a person feels unwell or symptoms of skin irritation appear, consult a physician. If a person vomits, place him/her in the recovery position. Never give anything by mouth to an unconscious person.
Inhalation	:	Remove victim from exposure. If difficulty with breathing, administer oxygen. If breathing has stopped administer artificial respiration, preferably mouth-to-mouth. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES:

Flash point	:	Non-combustible.
Auto-ignition temperature	:	Non-combustible.
Lower explosion limit	:	Not applicable.
Upper explosion limit	:	Not applicable.

Material Safety Data Sheet

Suitable extinguishing media	:	Carbon dioxide (CO ₂) dry chemical water fog
Fire and explosion hazards	:	Containers can build up pressure if exposed to heat (fire). Cool closed containers exposed to fire with water sprat.
Special fire-fighting procedures	:	As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES:

Methods for clearing up	:	Wear appropriate protective equipment. Take action to eliminate source of leak, prevent from entry into open streams or sewers, contain spill by diking, vacuum up liquid or use absorbent media, remove to storage for disposal and rinse residual stain with water.
--------------------------------	---	---

7. HANDLING AND STORAGE:

Handling	:	Keep out of reach of children. For personal protection see section 8.
Storage	:	Keep tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

Eye protection	:	Wear as appropriate safety glasses with side-shields goggles face-shield.
Hand protection	:	Wear as appropriate impervious gloves.
Body protection	:	Wear as appropriate impervious clothing preventive skin protection.
Respiratory protection	:	In case of insufficient ventilation wear suitable respiratory equipment. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Hygienic practices	:	Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas. Wash



Material Safety Data Sheet

Engineering controls : hands before breaks and at the end of workday. When Using, do not eat, drink or smoke. Handle in accordance with good industrial hygiene and safety practice. Local exhaust ventilation can be necessary to control any air contaminants to within their TLVs during the use of this product.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Colour	:	Cloudy
Physical State	:	Liquid
Odour	:	Slight
pH (at 100%)	:	8
Odour Threshold	:	no data available
Vapor Pressure	:	18 mm/Hg at 77°F (25°C)
Vapor Density	:	Heaven than air
Boiling point/range	:	212°F (100°C)
Freeze Point	:	No data available
Water solubility	:	Partly soluble
Specific gravity	:	1.00
Viscosity	:	No data available
Evaporation rate	:	Slower than Butyl acetate
Partition coefficient	:	No data available (N-octanol/water)
VOC concentration as applied	:	0 g/l (less water and exempt solvents)

10. STABILITY AND REACTIVITY:

Stability	:	Stable under recommended storage conditions.
Conditions to avoid	:	Prolonged exposure to high temperatures.
Materials to avoid	:	Strong oxidizing agents.
Hazardous Decomposition	:	Oxides of carbon. Nitrogen oxides (NOx).
Products	:	
Hazardous polymerization	:	Will not occur under normal conditions.

Material Safety Data Sheet

11. TOXICOLOGICAL INFORMATION:

Acute Inhalation Toxicity:

	Type	Value	Species	Exposure Time
Product	LC50	no data available		

Component

Silica Acid, Sodium Salt	LC50	no data available
--------------------------	------	-------------------

Acute oral toxicity

	Type	Value	Species
Product	LD50 (oral)	no data available	

Component

Silica Acid, Sodium Salt	LD50 (Oral)	no data available
--------------------------	-------------	-------------------

Acute dermal toxicity

	Type	Value	Species
Product	LD50 (dermal)	no data available	

Component

Silica Acid, Sodium Salt	LD50 (Oral)	no data available
--------------------------	-------------	-------------------

12. ECOLOGICAL INFORMATION:

Eco-toxicological Information : There is no data available for this product.

13. DISPOSAL CONSIDERATIONS:

Recommendations: Use excess product in an alternate beneficial application. Handle disposal of waste material in manner which complies with local, state, province and federal regulation.

14. TRANSPORT INFORMATION:

DOT : Proper shipping name Not regulated
IATA : Proper shipping name Not regulated



Material Safety Data Sheet

15. REGULATORY INFORMATION:

SARA 311/312 (RTK)

This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE (ACUTE) HEALTH HAZARD

SARA 313

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

Weight %	CAS No.	Chemical Name
----------	---------	---------------

This product contains no chemicals subject to the SARA 313 supplier notification requirements.

CERCLA

CERCLA section 103(a) specifically requires the person in charge of a vessel or facility to report immediately to the National Response center (NCR) a release of a hazardous substance whose amount equals or exceeds the assigned RQ. The following hazardous substances are contained in this product.

RQ	CAS No.	Chemical Name
----	---------	---------------

No CERCLA chemicals exist in this product name above reportable concentrations.

TSCA Section 12(b) Export Notification

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if reported from the United States:

CAS No.	Chemical Name
---------	---------------

There are no TSCA 12(b) Chemicals in this product.

California Proposition 65

The chemical(s) noted below and contained in this product, are know to the state of California to cause cancer, birth defects or other reproductive harm. Unless otherwise specified in Section 2 of this MSDS, these chemicals are present at < 0.1%:

CAS No.	Chemical Name
---------	---------------

There are no Proposition 65 chemicals known to exist in this product.



Material Safety Data Sheet

16. OTHER INFORMATION:

The data and advice given apply when the product is used for the stated application or applications. The product is not sold as suitable for any other applications. Use of the product for applications other than as stated in the sheet may give rise to risks not mentioned in this sheet. The product should not be used other than for the stated application or applications without seeking advice from MATEX.

If the product has been purchased for supply to a third party for use at work, it is the purchaser's duty to take all necessary steps to ensure that any person handling or using the product is provided with the information in this sheet.

It is the responsibility and duty of the employer to inform employees and others who may be affected of hazards described in this sheet and of any precautions which should be taken.

This sheet does not constitute or substitute for the users own assessment of workplace risk, as required by other health and safety legislation.

Further copies of this Safety Data Sheet may be obtained from MATEX.