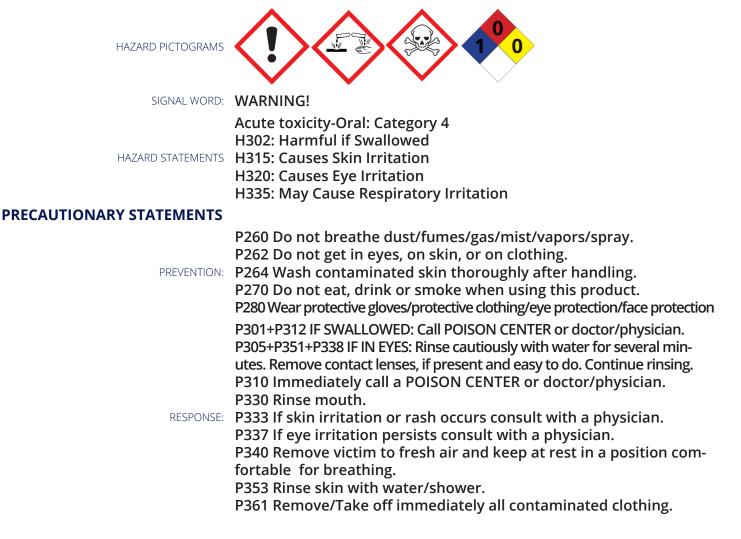


# **SECTION 1. IDENTIFICATION**

OTHER MEANS OF IDENTIFICATION: Temporary Roof System   PRODUCT CODE: DTR100   PRODUCT TYPE: Penetrating Liquid Roofing Material
PRODUCT TYPE: Penetrating Liquid Roofing Material
IDENTIFIED USES: Temporary roof system for concrete structures
Alchemco, A division of MBC North America, Inc SUPPLIER / MANUFACTURER: 3532 Mayland Ct., Henrico, VA 23233 800-610-2895
EMERGENCY TELEPHONE NUMBER WITH HOURS OF OPERATION CHEMTREC: 1-800-424-9300 (US) / +1 703-741-5970 (International)

# SECTION 1. HAZARDS IDENTIFICATION

#### **GHS LABEL ELEMENTS**



SAFETY DATA SHEET



STORAGE:	P235: Keep Cool. P402: Store in a dry place. P403: Store in a well-ventilated place. P404: Store in a closed container. P405: Store locked up.
DISPOSAL:	501: Dispose of contents/container according to local, state and federal regulations.
HAZARDS NOT OTHERWISE CLASSIFIED (NHOC):	

**SECTION 1. HAZARDS IDENTIFICATION** 

SUBSTANCE/MIXTURE: Sodium Silicate

CAS NUMBER/OTHER IDENTIFIERS: CAS # 1344-09-8

INGREDIENT	CAS NUMBER	PERCENTAGE
Sodium Silicate	1344-09-8	5% - 30%

Any concentration shown as a range is to protect confidentiality or is due to batch variation. There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8.

# **SECTION 4. FIRST AID MEASURES**

EYE CONTACT:	Remove contact lenses, and rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.		
INHALATION:	Move affected person to fresh air at once.		
SKIN CONTACT:	Wash off immediately and flush with plenty of fresh water for 15 minutes. Remove contaminated clothing and wash before re-use.		
INGESTION:	If swallowed call a POISON CONTROL CENTER. Rinse mouth. Drink 1 or 2 glasses of water. Consult a physician. Strong alkaline irritant.		
MOST IMPORTANT SYMPTOMS. EFFECTS, ACUTE AND DELAYED POTENTIAL ACUTE HEALTH EFFECTS			
EYE CONTACT:	Pain, redness and tearing.		
INHALATION:	Sneezing, burning or itching in nose and throat. Coughing, wheez- ing, shortness of breath.		
SKIN CONTACT:	Itching or burning. Redness. Dries to form a glass film which can cut skin.		
INGESTION:	Causes irritation of gastrointestinal tract. Symptoms may include nausea, vomiting, and diarrhea. May cause burns to lips, tongue, oral mucosa, upper airway, esophagus, and stomach.		
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE			
CHRONIC:	Not Applicable		

#### OVER-EXPOSURE SIGNS/SYMPTOMS

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EYE CONTACT:	Not Applicable
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INHALATION: Not Applicable

SKIN CONTACT: Not Applicable

INGESTION: Not Applicable

#### DELAYED EFFECTS FROM LONG TERM EXPOSURE

#### INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY

NOTES TO PHYSICIAN: Treat symptomatically. If in doubt, get medical attention promptly.

SPECIFIC TREATMENTS; Not Available

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PROTECTION OF FIRST-AIDERS:

Walking surface and other surfaces may be slippery. Ventilate area of leak or spill. Wear PPE as specified in Section 8.

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# SECTION 5. FIRE-FIGHTING MEASURES

#### **EXTINGUISHING MEDIA**

SUITABLE EXTINGUISHING MEDIA	Use extinguishing measures that are appropriate to local circum- stances and the surrounding environment.
UNSUITABLE EXTINGUISHING MEDIA:	None known
SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:	
HAZARDOUS THERM DECOMPOSITION PRODUCTS:	None known
SPECIAL PROTECTIVE ACTIONS FOR FIRE-FIGHTERS:	As in any fire, wear self-contained breathing apparatus pressure-de- mand, MSHA/NIOSH (approved or equivalent) and full protective gear.
	Caution! Floor and other surfaces may be slippery. Ventilate area of leak or spill.
SECTION 6. ACCIDENTAL	RELEASE MEASURES

#### PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

FOR NON-EMERGENCY PERSONNEL:	Wear protective clothing as described in Section 8 of this Safety Data Sheet.	
FOR EMERGENCY RESPONDERS:	Follow all fire fighting procedures in Section 5.	
ENVIRONMENTAL PRECAUTIONS:	See Section 13: DISPOSAL CONSIDERATIONS. See Section 12 for ad- ditional ecological information	
METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP		
SMALL SPILL:	Contain and prevent further leakage or spillage if safe to do so.	

LARGE SPILL: For large quantities, collect liquid in an appropriate container or absorb with an inert material (eg: vermiculite, dry sand, earth) and place in a chemical waste container. Do not use combustible material such as saw dust. Do not flush to sewer.

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# SECTION 7. HANDLING AND STORAGE

#### **PRECAUTIONS FOR SAFE HANDLING**

PROTECTIVE MEASURES:	Avoid spilling and splashing. Avoid contact with skin and eyes. Wear protective clothing, goggles, or face shield and gloves as described in Section 8 of SDS. Do not eat, drink or smoke while using this product. Wash face, hands and any exposed skin thoroughly after handling.
ADVICE ON GENERAL OCCUPATIONAL HYGIENE:	Not applicable
	Keep containers tightly closed. Store in a dry, cool and well-ventilat- ed place. Gels when mixed with acid.

## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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#### **CONTROL PARAMETERS**

#### **OCCUPATIONAL EXPOSURE LIMITS**

EXPOSURE GUIDELINES:	Airborne exposure limits: OSHA PEL: 80mg (%SiO2)/m3 (TWA).	
APPROPRIATE ENGINEERING CONTROLS:	Showers. Eyewash stations. Ensure adequate ventilation, especially in confined areas.	
ENVIRONMENTAL EXPOSURE CONTROLS:	Not applicable	
INDIVIDUAL PROTECTION MEASURES		
HYGIENE MEASURES:	Do not eat, drink or smoke while using this product.	
EYE/FACE PROTECTION:	Goggles or face shield. Refer to 29 CFR 1910.133 for eye and face protection regulations	
SKIN AND BODY PROTECTION:	Risk of contact: Wear protective gloves. Refer to 29 CFR 1910.138 for	

RESPIRATORY PROTECTION: RESPIRATORY PROTECTION: NIOSH/OSHA approved dust, fume and mist respirator. Refer to 29 CFR 1910.134 for respiratory protection requirements.

# **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE:	Colorless or slightly hazy liquid
PHYSICAL STATE:	Liquid
ODOR:	None
ODOR THRESHOLD:	Not applicable
Ph:	Not applicable
MELTING POINT:	Not applicable
BOILING POINT:	Not applicable

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No true flash point
Not applicable
1.3 - 1.5
Complete soluble
Not applicable

# **SECTION 10. STABILITY AND REACTIVITY**

REACTIVITY:	Not reactive under normal conditions	
CHEMICAL STABILITY:	Stable under recommended storage conditions.	
POSSIBILITY OF HAZARDOUS REACTIONS:	None under normal processing.	
CONDITIONS TO AVOID:	Flammable hydrogen gas may be produced on prolonged contact with metals such as aluminum, tin, lead and zinc.	
INCOMPATIBLE MATERIALS:	Gels when mixed with acid. Fluorine, mineral acids, organic acids, organic acids,	
HAZARDOUS DECOMPOSITION PRODUCTS:	Not applicable	
HAZARDOUS POLYMERIZATION:	Not applicable	

## SECTION 11. TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

#### ACUTE TOXICITY

PRODUCT / INGREDIENT NAME	RESULT	SPECIES	DOSE	EXPOSURE
Sodium Silicate	LD50 ORAL & LD50 DERMAL	RAT RABBIT	1960 mg/kg 4640 mg/kg	-

#### **IRRITATION/CORROSION**

SENSITIZATION:Not applicableCLASSIFICATION:Not applicable

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SPECIFIC TARGET ORGAN TOXICITY<br/>(SINGLE EXPOSURE):Not applicableSPECIFIC TARGET ORGAN TOXICITY (RE<br/>PEATED EXPOSURE):Not applicableASPIRATION HAZARD:Not applicableINFORMATION ON THE LIKE ROUTES OF<br/>EXPOSURE:Dermal contact, eye contact, inhalation and ingestion.

#### POTENTIAL ACUTE HEALTH EFFECTS

- EYE CONTACT: Avoid contact with eyes
- INHALATION: Do not inhale
- SKIN CONTACT: Avoid contact with skin
  - INGESTION: Harmful if swallowed.

#### SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS

- EYE CONTACT: See section 4 of this document for symptoms
- INHALATION: See section 4 of this document for symptoms
- SKIN CONTACT: See section 4 of this document for symptoms
  - INGESTION: See section 4 of this document for symptoms

# DELAYED AND IMMEDIATE EFFECTS AND ALSO CHRONIC EFFECTS FRO SHORT AND LONGER TERM EXPOSURE

#### SHORT TERM EXPOSURE

- POTENTIAL IMMEDIATE EFFECTS: Not applicable
- POTENTIAL DELAYED EFFECTS: Not applicable

#### LONG TERM EXPOSURE

POTENTIAL IMMEDIATE EFFECTS:	Not applicable
POTENTIAL DELAYED EFFECTS:	Not applicable
POTENTIAL CHRONIC HEALTH EFFECTS	Not applicable
GENERAL:	Not applicable
CARCINOGENICITY:	Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
MUTAGENICITY:	Not applicable
TERATORGENICITY:	Not applicable
DEVELOPMENTAL EFFECTS:	Not applicable
FERTILITY EFFECTS:	Not applicable
NUMERICAL MEASURES OF TOX	ΙΟΙΤΥ

#### ACUTE TOXICITY ESTIMATES: Not applicable

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# **SECTION 12. ECOLOGICAL INFORMATION**

#### ECOTOXICITY

CHEMICAL NAME	ALGAE/AQUATIC PLANTS	FISH	TOXICITY TO MICROORGANISMS	CRUSTEACEA
Sodium Silicate 13780-28-5	-	210: 96 h Brachy- danio rerio mg/L LC50	-	100: 24 h Daphnia magna mg/L EC50

Not determined	PERSISTENCE AND DEGRADEBILITY:
Not determined	BIO-ACCUMULATIVE POTENTIAL:
Not determined	MOBILITY IN SOIL/WATER PARTITION COEFFICIENT (KAC):
Not determined	OTHER ADVERSE EFFECTS:

# **SECTION 13. DISPOSAL CONSIDERATIONS**

DISPOSAL METHODS:

Disposal should be in accordance with applicable local, state and federal regulations.

# **SECTION 14. TRANSPORTATION INFORMATION**

#### **U.S. DOT (DOMESTIC SURFACE)**

	DOT	MDG	ΙΑΤΑ
UN NUMBER	Not Requlated	Not Regulated	Not Regulated
UN PROPER SHIPPING NAME	NA	NA	NA
TRANPORT HAZARD CLASS(ES)	NA	NA	NA
PACKAING GROUP	NA	NA	NA
ENVIRONMENTAL HAZARDS	NA	NA	NA
ADDITIONAL INFORMATION	NO	NO	NO

NOTE: Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

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# SECTION 15. REGULATORY INFORMATION INTERNATIONAL INVENTORIES

CHEMICAL NAME	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Silicate	Present	х		Present		Present	х	Present	х	х

#### LEGEND

TSCA	United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL	Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS	European Inventory of Existing Chemical Substances/ European List of Notified Chemical Substances
ENCS	Japan Existing and New Chemical Substances
IECSC	China Inventory of Existing Chemical Substances
KECL	Korean Existing and Evaluated Chemical Substances
PICCS	Philippines Inventory of Chemicals and Chemical Substances
AICS	Australian Inventory of Chemical Substances

U.S. FEDERAL REGULATIONS:

TSCA (TOXIC SUBSTANCE CONTROL ACT):

CLEAN AIR ACT SECTION 112(B) HAZARDOUS AIR POLLUTANTS:

CLEAN AIR ACT SECTION 602 CLASS I SUBSTANCE:

CLEAN AIR ACT SECTION 602 CLASS II SUBSTANCES

> DEA LIST I CHEMICALS PRECURSOR CHEMICALS)

### SARA 302/304 COMPOSITION/INFORMATION ON INGREDIENTS SARA 311/312 COMPOSITION/INFORMATION ON INGREDIENTS SARA 313 COMPOSITION/INFORMATION ON INGREDIENTS STATE REGULATIONS

Not applicable	MASSACHUSETTS:
Not applicable	NEW YORK:
Not applicable	NEW JERSEY:
Not applicable	PENNSYLVANIA:
Not applicable	CALIFORNIA PROP 65:

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# **SECTION 16. OTHER INFORMATION**

DATE OF ISSUE MM/DD/YYYY: 02/12/19 VERSION: 1 SUPERSEDES DATE MM/DD/YYYY: Not applicable PREPARED BY: Alchemco, Inc. 800-610-1895

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