

TechCrete™

2500 Waterproofing Agent

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Other Means of Identification: TechCrete™ 2500 Waterproofing Agent

Product Type: Modified subsurface waterproofing

Product Number: TCD-250005, TCD-250055 & TCD-2500275

Identified Uses: Concrete waterproofing

Supplier / Manufacturer: MBC North America Inc.™ dba Alchemco®
3532 Mayland Court, Henrico, VA 23233
800-601-2895

Emergency Telephone Number: +1-800-424-9300 24 hours



SECTION 2: HAZARD(S) IDENTIFICATION

Hazard Classification: Skin Irritant 2, Eye irritant 2

Signal Word(s): Warning

Hazard Statements: Acute toxicity-oral: Category 5
HS85: May be harmful if swallowed
H335: May cause respiratory irritation
HS315: May be harmful in contact with skin
H320: May cause eye irritation

Pictograms:

Precautionary Statements: P262 Do not get in eyes
P264 Wash contaminated skin thoroughly after handling
P27 Do not eat, drink or smoke when using this product.

Description of other hazards: Not otherwise classified

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substance/Mixture: Proprietary Ingredient

Number / Other Identifiers: #1344-09-08

CHEMICAL NAME	SYNONYM	CAS#	CONCENTRATION %
Proprietary Ingredient	None	Proprietary Ingredient	5-40%
Water (H2O)	None	7732-18-5	5-60%

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, with 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.



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SECTION 4: FIRST AID MEASURES

This product is an Alkaline, it can be irritating to the eyes and skin. The toxicity of this product is dependent on the silica to alkali ratio and on the pH. Obtain immediate medical attention.

- After skin contact:** Wash affected skin with plenty of water. If symptoms develop, obtain medical attention.
- After eye contact:** Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. Obtain immediate medical attention.
- After inhalation:** Remove patient from exposure, keep warm and at rest. Obtain medical attention.
- After swallowing** Do not induce vomiting. Wash out mouth with water and give 200-300 ml (half a pint) of water to drink. Obtain medical attention.

SECTION 5: FIRE FIGHTING MEASURES

- Suitable extinguishing agents:** Compatible with all standard fire fighting techniques.
- Special Protective equipment for firefighters:** Not applicable. Aqueous solution. Non-combustible.
- Advice for fire-fighters:** None

SECTION 6: ACCIDENTAL RELEASE MEASURES

- Personal precautions:** Wear suitable protective clothing. Wear eye/face protection
- Measures for environmental protection:** Do not allow to enter drains, sewers or watercourses. Advise Authorities if spillage has entered water course or sewer or has contaminated soil or vegetation.
- Measures for cleaning / collecting:** Caution - spillages may be slippery. Contain spillages with sand, earth or any suitable adsorbent material. Transfer to a container for disposal or recovery.

SECTION 7: HANDLING AND STORAGE

- Handling:** Avoid contact with eyes, skin and clothing. Avoid generation of mist. Provide adequate ventilation. Emergency shower and eye wash facilities should be readily available.
- Storage:** Store in a cool dry environment. Keep at temperature not exceeding 122°F (50°C). Provide adequate bund wall. See also section 10.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Substance	Occupational Exposure Limits
Proprietary Ingredient:	No Occupational Exposure limit assigned. An exposure limit of 2 mg/m ³ (15 min TWA) is recommended.
Appropriate engineering controls:	Engineering methods to prevent or control exposure are preferred. Methods include process or personnel enclosure, mechanical ventilation (dilution and local exhaust), and control of process conditions.
Breathing equipment:	Respiratory protection not normally required. Advice on respiratory protective equipment is given in the HSE (Health and Safety Executive) publication HS(G)53.
Eye/Face Protection:	Chemical goggles (En166)



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Skin Protection: Wear suitable protective clothing and gloves. Plastic or rubber gloves. For example EN374-3, level 6 breakthrough time (>480min). Wear suitable overalls.

Environmental Exposure Controls: The primary hazard is alkalinity. Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Form: Liquid. Almost colorless

Odor: Odorless

Odor threshold: Not applicable

pH: Alkaline

Melting pint / melting range: Not Applicable

Boiling point / boiling range: 212°F (100°C)

Flash point: Not applicable

Evaporation rate: Not Applicable

Flammability: Not Applicable

Explosive limits: Not Applicable

Auto ignition temperature: Not Applicable

Danger of explosion: Not Applicable

Vapor pressure: Not Applicable

Vapor density: Not Applicable

Relative density: Not Applicable

Solubility in / miscibility with water: No Data

SECTION 10: PHYSICAL AND CHEMICAL PROPERTIES

Reactivity: See section below

Chemical Stability: Stable

Possibility of Hazard: When arc welding vessels containing aqueous solutions of this material, take care to control any explosion risk from hydrogen evolved by electrolysis. Aqueous solutions will react with aluminum, zinc, tin and their alloys evolving hydrogen gas which can form an explosive mixture with air. Can react violently if contact with acids. Can react with sugar residues to form carbon monoxide.

Conditions to avoid: See section above

Incompatible Materials: See section above

Hazardous decomposition products: None known.



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SECTION 11: TOXICOLOGY INFORMATION

Skin:	Material will cause irritation. Dermal LD50 (rat) >5000 mg/kg bw Mist is irritant to the respiratory tract.
Inhalation:	All symptoms of acute toxicity are due to high alkalinity. Inhalation LC50 (rat) >2.06 g/m ³
Eyes:	Material will cause irritation.
Ingestion:	All symptoms of acute toxicity are due to high alkalinity. Material will cause irritation. Oral LD50 (rat) 3400 mg/kg bw
Carcinogenic effects:	No structural alerts
Mutagenic effects:	No structural alerts.
Reproductive toxicity:	No evidence of reproductive toxicity or developmental toxicity.
Sensitization:	Not sensitizing.
Aspiration Hazard:	Not classified

SECTION 12: ECOLOGICAL INFORMATION (NON-MANDATORY)

Eco toxicity:	Fish (Brachydanio rerio) LC50 (96 hour) 1108 mg/l Aquatic invertebrates: (Daphnia magna) EC50 (48 hour) 1700 mg/l
Mobility:	Not applicable
Biodegradation:	Inorganic. Soluble silicates, upon dilution, rapidly depolymerise into molecular species indistinguishable from natural dissolved
Bio accumulation:	The alkalinity of this material will have a local effect on ecosystems sensitive to changes in pH.

SECTION 13: DISPOSAL CONSIDERATIONS (NON-MANDATORY)

Dispose of this material and its container to hazardous or special waste collection point. This material is classified as hazardous waste under EC Directive 2008/98/EC. This material is classified as hazardous waste under the Hazardous Waste (England and Wales) Regulations SI 2005 No. 894. This material is classified as hazardous waste under the Hazardous Waste (England and Wales) Regulations SI 2005 No. 894. Disposal should be in accordance with local, state or national legislation.

SECTION 14: TRANSPORTATION INFORMATION (NON-MANDATORY)

Not classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods'.
Not classified as hazardous under DOT or US Transport Recommendations.
International Maritime Dangerous Goods (IMDG) Code: Not classified as hazardous

D.O.T. regulations:	Not applicable
Hazard Class:	Not applicable
Land transport ADR /RID (cross border):	Not applicable
ADR / RID class:	Not applicable



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Maritime transport IMDG: Not classified as a Marine Pollutant
Air transport ICAO-TI and IATA-DGR: Not applicable

SECTION 15: REGULATORY INFORMATION (NON-MANDATORY)

TSCA Inventory Status: Reported/Included
AICS Inventory Status: Reported/Included
DSL/NDSL Inventory Status: Reported/Included. SARA TITLE III: Not an Extremely Hazardous Substance under §302. Not a Toxic Chemical under §313. Hazard Categories under §311/312: Acute
Chemical Safety Assessment: Information available upon request.

SECTION 16: OTHER INFORMATION

Date of Issue: 12/06/2024

Version: 2.0

Supersedes: All previously issued dates

Prepared by: Alchemco Compliance Department

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