SECTION 1. IDENTIFICATION

**GHS PRODUCT IDENTIFIER:** Alchemco TechCrete Concrete Admix

**OTHER MEANS OF IDENTIFICATION:**
TechCrete Concrete Admix

**PRODUCT CODE:**
- TC-CA1022
- TC-CA2022
- TC-CA295

**PRODUCT TYPE:** Admixture for use in Construction Industry

**IDENTIFIED USES:**
Admixture for use in Construction Industry

**SUPPLIER / MANUFACTURER:**
Alchemco, A division of MBC North America, Inc
8590 Sanford Drive, Henrico, VA 23228
800-610-2895

**EMERGENCY TELEPHONE NUMBER WITH HOURS OF OPERATION**
800-610-2895 24 hours

SECTION 2. HAZARDS IDENTIFICATION

**GHS LABEL ELEMENTS**

**HAZARD PICTOGRAMS:**
- GHS05 CORROSION

**SIGNAL WORD:** DANGER

**HAZARD STATEMENTS:**
- H315 Causes skin irritation
- H317 May cause an allergic skin reaction
- H318 Causes serious eye damage
- H335 May cause respiratory irritation

**PRECAUTIONARY STATEMENTS**

**PREVENTION:**
- P261 Avoid breathing dust/fumes/gas/mist/vapours/spray.
- P262 Do not get in eyes, on skin, or on clothing.
- P264 Wash contaminated skin thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P403+P232 Store in a well-ventilated place. Keep container tightly closed.
- P302+P352 IF ON SKIN: Wash with plenty of water.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**RESPONSE:**
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P264 Wash contaminated skin thoroughly after handling.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P310 Immediately call POISON CENTER/Doctor
- P312 Call a POISON CENTER/Doctor if you feel unwell.
- P321 Specific treatment (see medical advice on this label).
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P362+P364 Take off contaminated clothing and wash before reuse.
SAFETY DATA SHEET
Concrete Admix

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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.
P406: Store in corrosive resistant container with a resistant inner liner.

DISPOSAL:
P501: Dispose of contents/container according to local, state and federal regulations.

HAZARDS NOT OTHERWISE CLASSIFIED (NHOC): NA

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE/MIXTURE: Sodium Carbonate

<table>
<thead>
<tr>
<th>INGREDIENT</th>
<th>CAS #</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Carbonate</td>
<td>497-19-8</td>
<td>50-100%</td>
</tr>
<tr>
<td>Tartaric Acid L(+) Natural</td>
<td>87-69-4</td>
<td>5-15%</td>
</tr>
<tr>
<td>Silica Sand</td>
<td>14808-60-7</td>
<td>5-15%</td>
</tr>
<tr>
<td>Cement, Portland</td>
<td>65997-15-1</td>
<td>5-15%</td>
</tr>
</tbody>
</table>

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

DESCRIPTION OF NECESSARY FIRST AID MEASURES

EYE CONTACT: Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

INHALATION: Move affected person to fresh air at once. If in doubt, get medical attention promptly.

SKIN CONTACT: Remove contaminated clothing. Wash skin thoroughly with soap and water. Use suitable lotion to moisture skin. Get medical attention if any discomfort continues. Chemical burns must be treated by a physician.

INGESTION: Never give anything by mouth to an unconscious person. Do not induce vomiting. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Give milk instead of water if readily available. Get medical attention immediately.

MOST IMPORTANT SYMPTOMS. EFFECTS, ACUTE AND DELAYED POTENTIAL ACUTE HEALTH EFFECTS

EYE CONTACT: Severe irritation, burning and tearing.

INHALATION: Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.

SKIN CONTACT: Prolonged or repeated contact with skin may cause irritation, redness and dermatitis. Prolonged contact with moist or wet product may cause burns. May cause sensitization by skin contact.

INGESTION: May cause pain or vomiting. May cause chemical burns in mouth and throat.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

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SECTION 5. FIRE-FIGHTING MEASURES

CHRONIC: NA

OVER-EXPOSURE SIGNS/SYMPTOMS

EYE CONTACT: NA
INHALATION: NA
SKIN CONTACT: NA
INGESTION: NA

DELAYED EFFECTS FROM LONG TERM EXPOSURE

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

NOTES PHYSICIAN: Treat symptomatically. If in doubt, get medical attention promptly.
SPECIFIC TREATMENTS: NA
PROTECTION OF FIRST-AIDERS: Ventilate area. Wear PPE as specified in Section 8.

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: NA
ENVIRONMENTAL PRECAUTIONS: Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate bodies.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP

SMALL SPILL: Do not touch or walk into spilled material. Sweep up and remove for disposal. Residues or small spillages may be flushed away with water. Inform authorities if large amount are involved.

Note: Wear protective clothing as described in Section 8 of the SDS. Collect and dispose of spillage a indicated in Section 13.

LARGE SPILL: Do not touch or walk into spilled material. Sweep up and remove for disposal. Residues or small spillages may be flushed away with water. Inform authorities if large amount are involved.

Note: Wear protective clothing as described in Section 8 of the SDS. Collect and dispose of spillage a indicated in Section 13.
SECTION 7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

PROTECTIVE MEASURES:
Avoid spilling. Avoid generation and spreading of dust. Avoid contact with skin and eyes. Avoid breathing dust. Do not eat, drink or smoke when using this product. Wear protective clothing as described in Section 8 of this safety data sheet.

ADVICE ON GENERAL OCCUPATIONAL HYGIENE:
NA

CONDITIONS FOR SAFE STORAGE INCLUDING ANY INCOMPATIBILITIES:
Store in tightly-closed, original container in a dry, cool and well ventilated place.

STORAGE CLASS: Chemical storage.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

OCCUPATIONAL EXPOSURE LIMITS

<table>
<thead>
<tr>
<th>INGREDIENT</th>
<th>EXPOSURE LIMITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silica Sand — Long-term exposure limit (8-hour TWA): WEL*</td>
<td>0.3mg/m³ resp.dust</td>
</tr>
<tr>
<td>Sodium Carbonate Long-term exposure limit (8-hour TWA): WEL*</td>
<td>5mg/m³ resp.dust</td>
</tr>
<tr>
<td>DNEL—Inhalation: Long term local effects:</td>
<td>10mg/m³</td>
</tr>
</tbody>
</table>

* WEL = Workplace Exposure Limits

APPROPRIATE ENGINEERING CONTROLS:
Showers. Eye wash station. Adequate ventilation, especially in confined areas. NIOSH/OSHA half-face dust/mist respirator.

ENVIRONMENTAL EXPOSURE CONTROLS:
NA

INDIVIDUAL PROTECTION MEASURES

HYGIENE MEASURES:
Do not eat, drink or smoke when using this product.

EYE/FACE/RESPIRATORY PROTECTION:
The following protection should be worn: Chemical splash goggles or full-face shield. Refer to 29 CFR 1910.133 for eye and face protection regulations. Refer to 29 CFR 1910.134 for respiratory protection requirements.

HAND PROTECTION:
It is recommended that chemical-resistant, impervious gloves are worn.

OTHER SKIN and BODY PROTECTION:
Wear appropriate clothing to prevent skin contact. Refer to 29 CFR 1910.138 for appropriate skin and body protection requirements.

RESPIRATORY PROTECTION:
Respiratory protection must be used if the airborne contamination exceeds the recommended occupation exposure limit. Protection against nuisance dust must be used when the airborne concentration exceeds 10mg/m³.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:
Beige

PHYSICAL STATE:
Granules

ODOR:
NA

ODOR THRESHOLD:
NA

PH:
NA
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MELTING POINT: NA
BOILING POINT: NA
FLASH POINT: NA
EVAPORATION RATE: NA
FLAMMABILITY (SOLID, GAS): NA
LOWER AND UPPER EXPLOSIVE: NA
VAPOR PRESSURE: NA
VAPOR DENSITY: NA
RELATIVE DENSITY: NA
SOLUBILITY: Insoluble in water
PARTITION COEFFICIENT N-OCTANOL/WATER: NA
AUTO-IGNITION TEMPERATURE: NA
DECOMPOSITION TEMPERATURE: NA
VISCOSITY: NA
VOLATILITY: NA

SECTION 10. STABILITY AND REACTIVITY

REACTIVITY: There are no known reactivity hazards associated with this product. When mixed with water, an exothermic reaction will occur. Cemetitious products will then harden into a stable mass that is not reactive to normal environments.

CHEMICAL STABILITY: No particular stability concerns.

POSSIBILITY OF HAZARDOUS REACTIONS: Will not polymerize.

CONDITIONS TO AVOID: Water, moisture.

INCOMPATIBLE MATERIALS: Aluminum.

HAZARDOUS DECOMPOSITION PRODUCTS: Does not decompose when used and stored as recommended.

HAZARDOUS POLYMERIZATION: NA

SECTION 11. TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY

<table>
<thead>
<tr>
<th>PRODUCT/INGREDIENT NAME</th>
<th>RESULT</th>
<th>SPECIES</th>
<th>DOSE</th>
<th>EXPOSURE</th>
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</thead>
<tbody>
<tr>
<td>Siliceacous Mineral Fillers</td>
<td>LD.. Oral</td>
<td>Rat</td>
<td>2800 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>LD.. Dermal</td>
<td>Rabbit</td>
<td>2001 mg/kg</td>
<td>-</td>
</tr>
</tbody>
</table>

IRRITATION/CORROSION

SENSITIZATION: NA

CLASSIFICATION: NA

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE): NA

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE): NA

ASPIRATION HAZARD: NA
INFORMATION ON THE LIKELY ROUTES OF EXPOSURE: NA

POTENTIAL ACUTE HEALTH EFFECTS

EYE CONTACT: Sever irritation, burning and tearing. Corneal damage. Blindness.

INHALATION: Dust may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing. Shortness of breath.

SKIN CONTACT: Prolonged contact with moist or wet product may cause burns. Repeated exposure may cause skin dryness or cracking. May cause sensitization by skin contact. May cause stomach pain or vomiting.

INGESTION: Ingestion may cause severe irritation of the mouth, the esophagus and the gastrointestinal tract.

HEALTH HAZARDS: Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases. Prolonged and repeated contact may cause a dermatitis effect. May cause allergic contact eczema.

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS

EYE CONTACT: Irritating.

INHALATION: May cause respiratory system irritation.

SKIN CONTACT: Slightly irritating.

INGESTION: Ingestion may cause severe irritation of the mouth, the esophagus and the gastrointestinal tract. May cause stomach pain or vomiting.

DELAYED AND IMMEDIATE EFFECTS AND ALSO CHRONIC EFFECTS FROM SHORT AND LONGER TERM EXPOSURE

SHORT TERM EXPOSURE

POTENTIAL IMMEDIATE EFFECTS: NA

POTENTIAL DELAYED EFFECTS: NA

LONG TERM EXPOSURE

POTENTIAL IMMEDIATE EFFECTS: NA

POTENTIAL DELAYED EFFECTS: Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases. Prolonged and repeated contact may cause a dermatitis effect. May cause allergic contact eczema.

POTENTIAL CHRONIC HEALTH EFFECTS

GENERAL: NA

CARCINOGENICITY: NA

MUTAGENICITY: NA

TERATOGENICITY: NA

DEVELOPMENTAL EFFECTS: NA

FERTILITY EFFECTS: NA

NUMERICAL MEASURES OF TOXICITY

ACUTE TOXICITY ESTIMATES

SECTION 12. ECOLOGICAL INFORMATION ON INGREDIENTS

TARTARIC ACID DL (-) SYNTHETIC

ECOTOXICITY: Low acute toxicity to aquatic organisms. The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.

TOXICITY: Not considered toxic to fish.
The product contains inorganic substances which are not biodegradable.
There is no data on the degradability of this product.

The product does not contain any substances expected to be bio accumulating.
The product hardens to a solid, immobile substance.
No additional information available.

This product does not contain any substances classified as PBT or vPvB.
None known.

SECTION 13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS: Dispose of waste to licensed waste disposal site in accordance with the requirements of the local, state and federal regulations.

SECTION 14. TRANSPORTATION INFORMATION

U.S. DOT (Domestic Surface)

<table>
<thead>
<tr>
<th>DOT</th>
<th>IMDG</th>
<th>IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN Number</td>
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<td>Not applicable.</td>
</tr>
<tr>
<td>UN Proper Shipping Name</td>
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<td>Not applicable.</td>
</tr>
<tr>
<td>Transport Hazard Class(es)</td>
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<td>8</td>
</tr>
<tr>
<td>Packing Group</td>
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<td>Not applicable.</td>
</tr>
<tr>
<td>Environmental Hazards</td>
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<td>No.</td>
</tr>
<tr>
<td>Additional Information</td>
<td>Not applicable.</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

SECTION 15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: NA

TSCA (TOXIC SUBSTANCE CONTROL ACT): NA

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

CLEAN AIR ACT SECTION 602 CLASS I SUBSTANCE: NA

CLEAN AIR ACT SECTION 602 CLASS II SUBSTANCES: NA

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DEA LIST I CHEMICALS (PRECURSOR CHEMICALS): NA

SARA 302/304
COMPOSITION/INFORMATION ON INGREDIENTS

SARA 311/312
CLASSIFICATION:

COMPOSITION/INFORMATION ON INGREDIENTS

SARA 313
STATE REGULATIONS

MASSACHUSETTS: NA
NEW YORK: NA
NEW JERSEY: NA
PENNSYLVANIA: 65997-15-1 Cement, Portland
CALIFORNIA PROP. 65 NA

SECTION 16. OTHER INFORMATION

HISTORY

DATE OF ISSUE MM/DD/YYYY: 02/11/2019
VERSION: 1
SUPERCEDES DATE MM/DD/YYYY: NA

PREPARED BY: Alchemco, Inc. 800-610-2895

ATE = Acute Toxicity Estimate
BCF = Biocaccumulation Factor
CAS = Chemical Abstracts Service (Division of American Chemical Society)
DNEL = Derived No Effect Level
DOT = U.S. Department of Transportation
GHS = Globally Harmonized System of Classification and Labeling of Chemicals
HMIS = Hazardous Materials Identification System
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LC50 = Lethal Concentrate, 50 percent
LD50 = Lethal Dose, 50 percent
LogPow = logarithm of the octanol/water partition coefficient
NIOSH = National Institute for Occupational Safety and Health
NPFA = National Fire Protection Association
OSHA = Occupational Safety and Health Administration
PBT = Persistent, Bioaccumulative, and toxic
PEL = Permissible Limit Value
REL = Recommended Exposure Limit
TLV = Threshold Limit Value
TWA = Time Weighted Average
UN = United Nations
vPvB = Very Persistent and Very Bioaccumulative
WEL = Workplace Exposure Limit