

SECTION 1. IDENTIFICATION

GHS PRODUCT IDENTIFIER: Alchemco TechCrete Concrete Admix
OTHER MEANS OF IDENTIFICATION: TechCrete® Concrete Admix
TC-CA1022
PRODUCT CODE: 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
3532 Mayland Ct., Henrico, VA 23233
800-610-2895
**EMERGENCY TELEPHONE NUMBER
WITH HOURS OF OPERATION** 800-424-9300 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.

RESPONSE: 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.
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.

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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

OTHER MEANS OF IDENTIFICATION: NA

INGREDIENT	CAS #	%
Sodium Carbonate	497-19-8	50-100%
Tartaric Acid L(+) Natural	87-69-4	5-15%
Silica Sand	14808-60-7	5-15%
Cement, Portland	65997-15-1	5-15%

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: Sever 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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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 5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

SUITABLE EXTINGUISHING MEDIA: Use fire-extinguishing media suitable for the surrounding fire.

UNSUITABLE EXTINGUISHING MEDIA: NA

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: No unusual fire or explosion hazards noted.

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

SPECIAL PROTECTIVE ACTIONS FOR FIRE-FIGHTERS: NA

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS: As in any fire, wear positive-pressure self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NA

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 as 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 as indicated in Section 13.

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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

INGREDIENT	EXPOSURE LIMITS
Silica Sand — Long-term exposure limit (8-hour TWA): WEL*	0.3mg/m ³ resp.dust
Sodium Carbonate Long-term exposure limit (8-hour TWA): WEL*	5mg/m ³ resp.dust
DNEL—Inhalation: Long term local effects:	10mg/m ³

* 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. Cementitious 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

PRODUCT/INGREDIENT NAME	RESULT	SPECIES	DOSE	EXPOSURE
Siliceous Mineral Fillers	LD.. Oral	Rat	2800 mg/kg	-
	LD.. Dermal	Rabbit	2001 mg/kg	-

IRRITATION/CORROSION

SENSITIZATION: NA
CLASSIFICATION: NA
**SPECIFIC TARGET ORGAN TOXICITY
(SINGLE EXPOSURE):** NA
**SPECIFIC TARGET ORGAN TOXICITY
(REPEATED EXPOSURE):** NA
ASPIRATION HAZARD: NA

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INFORMATION ON THE LIKELY ROUTES OF EXPOSURE: NA

POTENTIAL ACUTE HEALTH EFFECTS

- EYE CONTACT:** Severe 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 gastro intestinal 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.

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- PERSISTENCE AND DEGRADABILITY:** The product contains inorganic substances which are not biodegradable. There is no data on the degradability of this product.
- BIO ACCUMULATIVE POTENTIAL:** The product does not contain any substances expected to be bio accumulating.
- MOBILITY:** The product hardens to a solid, immobile substance. No additional information available.
- RESULTS OF PBT AND vPvB ASSESSMENT:** This product does not contain any substances classified as PBT or vPvB.
- OTHER ADVERSE EFFECTS:** None known.

SODIUM CARBONATE




- ACUTE TOXICITY—FISH:** LC50, 96 Hours: 300 mg/l, Freshwater fish.
- ACUTE TOXICITY—AQUATIC INVERTEBRATES:** EC50, 48 Hours: 200-227 mg/l, Daphnia magna.
- ACUTE TOXICITY—AQUATIC PLANTS:** IC50, 72 HOURS: >2420 mg/l, Algae

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)

	DOT	IMDG	IATA
UN Number	Not applicable.	Not applicable.	Not applicable.
UN Proper Shipping Name	Not applicable.	Not applicable.	Not applicable.
Transport Hazard Class(es)	8 	8 	8 
Packing Group	Not applicable.	Not applicable.	Not applicable.
Environmental Hazards	No.	No.	No.
Additional Information	Not applicable.	Not applicable.	Not applicable.

AERG: NA

SPECIAL PRECAUTIONS FOR USER: NA

TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE NA

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 = Bioconcentration 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

KEY ABBREVIATIONS: MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

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

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