SECTION 1. IDENTIFICATION

GHS PRODUCT IDENTIFIER: Alchemco TechCrete Bridge & Deck Waterproofing ReActivator
OTHER MEANS OF IDENTIFICATION: TechCrete Bridge & Deck Waterproofing ReActivator
PRODUCT CODE: TC-BDR001
TC-BDR005
TC-BDR055
PRODUCT TYPE: Calcium Acetate, Lab Grade
IDENTIFIED USES: Enhancing Catalyst
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

OSHA/MCS STATUS: Not Classified for physical or health hazards under GHS.
CLASSIFICATION OF THE SUBSTANCE OR MIXTURE: Not Classified for physical or health hazards under GHS.

GHS LABEL ELEMENTS

HAZARD PICTOGRAMS: 1 0 1
SIGNAL WORD: Combustible Dust Hazard
HAZARD STATEMENTS: May form combustible dust concentrations in air (during processing).
PRECAUTIONARY STATEMENTS
PREVENTION: 
RESPONSE: 
STORAGE: 
DISPOSAL: 
HAZARDS NOT OTHERWISE CLASSIFIED (NHOC): 

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE/MIXTURE: Calcium Acetate Monohydrate
CAS NUMBER/OTHER IDENTIFIERS: CAS # 5743-26-0
Bridge & Deck Waterproofing ReActivator

<table>
<thead>
<tr>
<th>INGREDIENT</th>
<th>CAS #</th>
<th>%</th>
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<tbody>
<tr>
<td>Calcium Acetate Monohydrate</td>
<td>5743-26-0</td>
<td>100%</td>
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</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:**  Protect unexposed eye. Rinse or flush exposed eye gently using water for 15-20 minutes. Remove contact lenses while rinsing.

**INHALATION:**  Loosen clothing as necessary and position individual in a comfortable position. Move exposed to fresh air. Give artificial respiration if necessary. If breathing is difficult give oxygen. If not breathing give artificial respiration. Get medical assistance if cough or other symptoms appear.

**SKIN CONTACT:**  Wash affected area with soap and water.

**INGESTION:**  Do not induce vomiting. If victim is conscious and alert give 2-4 cupfuls of milk or water. Seek medical attention if irritation persists or if concerned.

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

**GENERAL:**  Shortness of breath, irritation. Nausea. Headache.

**EYE CONTACT:**

**INHALATION:**

**SKIN CONTACT:**

**INGESTION:**

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

**CHRONIC:**

OVER-EXPOSURE SIGNS/SYMPTOMS

**EYE CONTACT:**

**INHALATION:**

**SKIN CONTACT:**

**INGESTION:**

DELAYED EFFECTS FROM LONG TERM EXPOSURE

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

NOTES PHYSICIAN:  If seeking medical attention provide SDS document to physician. Physician should treat symptomatically.

SPECIFIC TREATMENTS:

PROTECTION OF FIRST-AIDERS:

SECTION 5. FIRE-FIGHTING MEASURES

**EXTINGUISHING MEDIA**

**SUITABLE EXTINGUISHING MEDIA:**  Use water, dry chemical, chemical foam, carbon dioxide, or alcohol-resistant foam.
Bridge & Deck Waterproofing ReActivator

SAFETY DATA SHEET

UNSUITABLE EXTINGUISHING MEDIA:
None.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:
NA

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS:
Avoid contact with skin, eyes, and clothing.

SPECIAL PROTECTIVE ACTIONS FOR FIRE-FIGHTERS:
Wear protective eyeware, gloves and clothing. Refer to Section 8.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS:
The product is flammable but not readily ignited.

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

FOR NON-EMERGENCY PERSONNEL:
Use personal protective equipment. For personal protection, see section 8.

FOR EMERGENCY RESPONDERS:
Follow all fire fighting procedures in Section 5.

ENVIRONMENTAL PRECAUTIONS:
Prevent from reaching drains, sewer, or waterway.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP

SMALL SPILL:
Absorb with suitable absorbent material such as sand or earth and container-ize for disposal. Avoid generating dust. After cleaning, flush away traces with water. Always obey local regulations. Follow proper disposal methods. Refer to Section 13.

LARGE SPILL:
Absorb with suitable absorbent material such as sand or earth and container-ize for disposal. Avoid generating dust. After cleaning, flush away traces with water. Always obey local regulations. Follow proper disposal methods. Refer to Section 13.

SECTION 7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

PROTECTIVE MEASURES:
Prevent dust generation. Follow good hygiene procedures when handling chemical materials. Refer to Section 8. Wash hands before breaks and immediately after handling the product. Wash hands and exposed skin with soap and water. Avoid contact with skin, eyes, and clothing. Do not eat, drink, smoke or use personal products when handling chemical substances. Keep container tightly closed. Ensure adequate ventilation.

ADVICE ON GENERAL OCCUPATIONAL HYGIENE:
NA

CONDITIONS FOR SAFE STORAGE INCLUDING ANY INCOMPATIBILITIES:
Keep containers tightly closed in a dry, cool and well-ventilated place. Keep from contact with oxidizing materials. Store away from incompatible materials. Refer to section 5. Store protected from moisture.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

CONTROL PARAMETERS:
5743-26-0, Calcium Acetate Monohydrate, ACGIH TLV: NA; OSHA PEL: NA

OCCUPATIONAL EXPOSURE LIMITS

EXPOSURE GUIDELINES:
This product, as supplied, is not known to contain any materials with established occupational exposure limits.

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SAFETY DATA SHEET
Bridge & Deck Waterproofing ReActivator

APPROPRIATE ENGINEERING CONTROLS: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling. Normal ventilation is adequate. handle in accordance with good industrial hygiene and safety practice.

ENVIRONMENTAL EXPOSURE CONTROLS: NA

INDIVIDUAL PROTECTION MEASURES

HYGIENE MEASURES: Before wearing, wash contaminated clothing. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin. Wash hands and exposed skin with soap and plenty of water. Keep away from food, beverages and feed sources. Perform routine housekeeping to prevent dust generation.

EYE/FACE PROTECTION: Safety glasses with side shields or goggles.

SKIN AND BODY PROTECTION: Select glove material impermeable and resistant to the substance. Select glove material based on rates of diffusion and degradation.

RESPIRATORY PROTECTION: Not required under normal conditions of use. Normal ventilation is adequate.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: white

PHYSICAL STATE: solid

ODOR: None

ODOR THRESHOLD: NA

PH: 7.6 (0.2M Solution)

MELTING POINT: 320°F (160°C)

BOILING POINT: NA

FLASH POINT: NA

EVAPORATION RATE: NA

FLAMMABILITY (SOLID,GAS): NA

LOWER AND UPPER EXPLOSIVE: non explosive

VAPOR PRESSURE: NA

VAPOR DENSITY: NA

RELATIVE DENSITY: NA

SOLUBILITY: Partly Soluble in water. 44% at 32°F (0°C)

PARTITION COEFFICIENT N-OCTANOL/WATER: NA

AUTO-IGNITION TEMPERATURE: NA

DECOMPOSITION TEMPERATURE: >320°F (160°C)


VOLATILITY: NA

MOLECULAR WEIGHT: 176.133 g/mol

SECTION 10. STABILITY AND REACTIVITY

REACTIVITY: Not reactive under normal conditions.

CHEMICAL STABILITY: Stable under recommended storage conditions.

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POSSIBILITY OF HAZARDOUS REACTIONS: None under normal processing.

CONDITIONS TO AVOID: Exposure to moist air or water. Incompatible materials.


HAZARDOUS DECOMPOSITION PRODUCTS: Calcium oxides. Carbon oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY

IRRITATION/CORROSION

SENSITIZATION: No additional information.

CLASSIFICATION: Not classified as irritating for eyes or skin.

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE): No additional information.

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE): No additional information.

ASPIRATION HAZARD: No additional information.

INFORMATION ON THE LIKELY ROUTES OF EXPOSURE: No additional information.

POTENTIAL ACUTE HEALTH EFFECTS

EYE CONTACT: May cause mild irritation.

INHALATION: Exposure to dust at high concentrations may cause irritation of the mucous membranes. May cause irritation of respiratory tract.

SKIN CONTACT: may cause mild irritation.

INGESTION: No additional information.

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS

EYE CONTACT: See section 4 of this SDS for symptoms.

INHALATION: See section 4 of this SDS for symptoms.

SKIN CONTACT: See section 4 of this SDS for symptoms.

INGESTION: See section 4 of this SDS for symptoms.

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

SHORT TERM EXPOSURE

POTENTIAL IMMEDIATE EFFECTS: No additional information.

POTENTIAL DELAYED EFFECTS: No additional information.

LONG TERM EXPOSURE

POTENTIAL IMMEDIATE EFFECTS: No additional information.

POTENTIAL DELAYED EFFECTS: No additional information.

POTENTIAL CHRONIC HEALTH EFFECTS

GENERAL: No additional information.

CARCINOGENICITY: No additional information.

MUTAGENICITY: No additional information.

TERATOGENICITY: No additional information.
DEVELOPMENTAL EFFECTS: No additional information.
FERTILITY EFFECTS: No additional information.

NUMERICAL MEASURES OF TOXICITY

<table>
<thead>
<tr>
<th>CHEMICAL</th>
<th>ROUTE</th>
<th>ATE VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Acetate</td>
<td>Oral LD50</td>
<td>4,280 (Rat)</td>
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SECTION 12. ECOLOGICAL INFORMATION

ECOTOXICITY

<table>
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<tr>
<th>CHEMICAL NAME</th>
<th>ALGAE/AQUATIC PLANTS</th>
<th>FISH</th>
<th>TOXICITY TO MICROORGANISMS</th>
<th>CRUSTACEA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Silicate 13870-28-5</td>
<td>--</td>
<td>210: 96 h Brachydanio rerio mg/L LC50</td>
<td>-</td>
<td>1000: 24 h Daphnia magna mg/L EC50</td>
</tr>
</tbody>
</table>

PERSISTENCE AND DEGRADABILITY: Readily biodegradable.

BIOACCUMULATIVE POTENTIAL: Bioaccumulation is unlikely.

MOBILITY IN SOIL: Water solubility: 353 kg/m3 (25°C)

SOIL/WATER PARTITION COEFFICIENT (K_{oc}): Water soluble. stays in water phase. Non-volatile.

RESULTS OF PBT AND vPvB ASSESSMENT: This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)

OTHER ADVERSE EFFECTS: No data available.

SECTION 13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS: Disposal should be in accordance with applicable regional, national and local laws and regulations.

SECTION 14. TRANSPORTATION INFORMATION

U.S. DOT (Domestic Surface)

<table>
<thead>
<tr>
<th>UN Number</th>
<th>DOT</th>
<th>IMDG</th>
<th>IATA</th>
</tr>
</thead>
</table>

UN Proper Shipping Name

Transport Hazard Class(es)

Packing Group

Environmental Hazards

Additional Information

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

SECTION 15. REGULATORY INFORMATION

INTERNATIONAL INVENTORIES:

U.S. FEDERAL REGULATIONS:

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Bridge & Deck Waterproofing ReActivator

SAFETY DATA SHEET

TSCA (TOXIC SUBSTANCE CONTROL ACT): 5743-26-0 None of the chemicals in this material have a SNUR under TSCA.

RCRA (HAZARDOUS WASTE CODE): None of the ingredients is listed.

CERCLA: None of the ingredients is listed.

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 311/312

COMPOSITION/INFORMATION ON INGREDIENTS: None of the ingredients is listed.

SARA 313

COMPOSITION/INFORMATION ON INGREDIENTS: None of the ingredients is listed.

STATE REGULATIONS

CALIFORNIA PROP. 65 None of the ingredients is listed.

SECTION 16. OTHER INFORMATION

WHMIS HAZARD CLASSIFICATION

HMIS HAZARD CLASSIFICATION:

- Health Hazards: 1
- Flammability: 0
- Physical Hazards: 0
- Personal Protection: X

NFPA HAZARD CLASSIFICATION:

- Health Hazards: 1
- Flammability: 0
- Physical Hazards: 0
- Personal Protection: X

HISTORY

DATE OF ISSUE MM/DD/YYYY: 02/12/2019

VERSION: 1

PREPARED BY:

ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labeling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships,
1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
UN = United Nations

KEY ABBREVIATIONS: IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient

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