

## SECTION 1. IDENTIFICATION

**GHS PRODUCT IDENTIFIER:** Alchemco DuraTite® Plug

**OTHER MEANS OF IDENTIFICATION:** DuraTite Plug

**PRODUCT CODE:** DTD-PLG055

**PRODUCT TYPE:** Concrete Protection and Permeability Reduction

**IDENTIFIED USES:** Concrete Protection and Permeability Reduction

**SUPPLIER / MANUFACTURER:** Alchemco, A division of MBC North America, Inc  
3532 Mayland Court, Henrico, VA 23233  
800-610-2895

**EMERGENCY TELEPHONE  
NUMBER WITH HOURS OF OPERATION** CHEMTREC - (800) 262-8200 24 hours

## Section 2. HAZARDS IDENTIFICATION

### GHS LABEL ELEMENTS

**HAZARD PICTOGRAMS:**



**SIGNAL WORD:** DANGER

**HAZARD STATEMENTS:** Carcinogenicity, category 1A H350 May cause cancer.  
STOT, repeated exposure, category 1 H372 Causes damage to organs through prolonged or repeated exposure.  
STOT, single exposure, category 3, RTI H335 May cause respiratory irritation.  
Serious Eye Damage, category 1 H318 Causes serious eye damage.  
Skin Irritation, category 2 H315 Causes skin irritation.

### PRECAUTIONARY STATEMENTS

**PREVENTION:** Skin Sensitizer, category 1 H317 May cause an allergic skin reaction.  
P201 Obtain special instructions before use.  
P260 Do not breathe dust/fume/gas/mist/vapors/spray.  
P264 Wash hands thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 IF ON SKIN: Wash with plenty of soap and 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:** P308+P313 IF exposed or concerned: Get medical advice/attention.  
P310 If exposed immediately call a POISON CENTER or doctor/physician.  
P321 For specific treatment see label  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P405 Store locked up.  
P501 Dispose of contents/container in accordance with local, regional and national regulations

# Plug

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.  
(NHOC): NA

## SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	CAS #	%
Calcium Sulfate	778-18-9	2.5-10%
Calcium Aluminates Cement	12042-68-1	50-80%
Silica Sand	14808-60-7	.1-1%
Cement, Portland	65997-15-1	20-40%
Calcium Hydroxide	1305-62-0	1-2.5%

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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# Plug

## SECTION 7. HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING

<b>PROTECTIVE MEASURES:</b>	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.
<b>ADVICE ON GENERAL OCCUPATIONAL HYGIENE:</b>	NA
<b>CONDITIONS FOR SAFE STORAGE INCLUDING ANY INCOMPATIBILITIES:</b>	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*	50 mg/m <sup>3</sup> resp.dust
Portland Cement	15 mg/m <sup>3</sup> resp.dust
Quartz	50 mg/m <sup>3</sup> resp.dust
Calcium Sulfate	15mg/m <sup>3</sup> resp.dust
Calcium Hydroxide	15mg/m <sup>3</sup> resp.dust

\* WEL = Workplace Exposure Limits

<b>APPROPRIATE ENGINEERING CONTROLS:</b>	Showers. Eye wash station. Adequate ventilation, especially in confined areas. NIOSH/OSHA half-face dust/mist respirator.
<b>ENVIRONMENTAL EXPOSURE CONTROLS:</b>	NA
<b>INDIVIDUAL PROTECTION MEASURES</b>	
<b>HYGIENE MEASURES:</b>	Do not eat, drink or smoke when using this product.
<b>EYE/FACE/RESPIRATORY PROTECTION:</b>	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.
<b>HAND PROTECTION:</b>	It is recommended that chemical-resistant, impervious gloves are worn.
<b>OTHER SKIN and BODY PROTECTION:</b>	Wear appropriate clothing to prevent skin contact. Refer to 29 CFR 1910.138 for appropriate skin and body protection requirements.
<b>RESPIRATORY PROTECTION:</b>	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/m <sup>3</sup> .

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE</b>	Dark Gray
<b>PHYSICAL STATE:</b>	Powder
<b>ODOR:</b>	NA
<b>ODOR THRESHOLD:</b>	NA
<b>PH:</b>	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:	Soluble 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

CAS-No.	Chemical Name	Oral LD50	Dermal LD50	Vapor LC50
14808-60-7	Quartz	6000 mg/kg	N.E.	N.E.
7778-18-9	Calcium Sulfate	>3000 mg/kg Rat	N.E.	N.E.
1305-62-0	Calcium Hydroxide	7340 mg/kg Rat	N.E.	N.E.
14808-60-7	Crystalline Silica / Quartz	5500 mg/kg Rat	5500	100 mg/L

#### 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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# Plug

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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# Plug

- 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
<b>UN Number</b>	Not applicable.	Not applicable.	Not applicable.
<b>UN Proper Shipping Name</b>	Not applicable.	Not applicable.	Not applicable.
<b>Transport Hazard Class(es)</b>	8 	8 	8 
<b>Packing Group</b>	Not applicable.	Not applicable.	Not applicable.
<b>Environmental Hazards</b>	No.	No.	No.
<b>Additional Information</b>	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

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories: Carcinogenicity, Skin Corrosion or Irritation, Respiratory or Skin Sensitization, Serious eye damage or eye irritation, Specific target organ toxicity (single or repeated exposure)

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:  
No Sara 313 components exist in this product.

**Toxic Substances Control Act:** This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States: No TSCA 12(b) components exist in this product.

**WARNING: WARNING: Cancer - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).**

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## SECTION 16. OTHER INFORMATION

### HISTORY

DATE OF ISSUE MM/DD/YYYY: 02/09/2021

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

KEY ABBREVIATIONS: LogPow = logarithm of the octanol/water partition coefficient

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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