

## SAFETY DATA SHEET

### SHOCK-CRETE HD AGGREGATE

#### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** SHOCK-CRETE HD AGGREGATE  
**PRODUCT CODE:** #FISHCHDAGG  
**PRODUCT USE:** This product is a Filler/aggregate for cementitious urethane multi component toppings.

**MANUFACTURER**  
DUDICK, INC.  
1818 MILLER PARKWAY  
STREETSBORO, OH, 44241  
330-562-1970

**24 HR. EMERGENCY TELEPHONE NUMBER**  
**CHEM-TEL (US Transportation):** (800)255-3924  
**CHEM-TEL (International Transportation):** +01(813)248-0585

#### 2. HAZARDS IDENTIFICATION

**CLASSIFICATION:**

Specific target organ toxicity - single exposure - Respiratory tract irritation - Category 3  
Skin Corrosive - Category 1  
Skin Sensitizer - Category 1  
Serious Eye Damage/Eye Irritation - Category 1  
Carcinogenicity - Category 1

**GHS LABEL ELEMENTS:**



**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.  
H350 May cause cancer.

**PRECAUTIONARY STATEMENTS :**

IF ON CLOTHING: Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water.  
P260 Do not breathe dust/fume/gas/mist/vapors/spray.  
P202 Do not handle until all safety precautions have been read and understood.  
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.

<b>DATE PRINTED</b>	5/12/2015
<b>SDS REF. No :</b>	#FISHCHDAGG

P501 Dispose of contents/container in accordance with local, regional, and federal regulations.  
P264 Wash all contacted body parts thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P308+P313 IF exposed or concerned: Get medical advice/attention.  
P314 Get medical advice/attention if you feel unwell.

### 3. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

Chemical Name	Weight %	CAS Number
Quartz (Crystalline)	70% to 100%	14808-60-7
Portland cement	15% to 25%	65997-15-1

No further information available for this product.

### 4. FIRST AID MEASURES

**EYES:** Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Chemical burns must be treated promptly by a physician.

**SKIN:** Get medical attention immediately. Heavy exposure to portland cement dust, wet concrete or associated water requires prompt attention. Quickly remove contaminated clothing, shoes, and leather goods such as watchbands and belts. Quickly and gently blot or brush away excess portland cement. Immediately wash thoroughly with lukewarm, gently flowing water and non-abrasive pH neutral soap. Seek medical attention for rashes, burns, irritation, dermatitis and prolonged unprotected exposures to wet cement, cement mixtures or liquids from wet cement. Burns should be treated as caustic burns. Portland cement causes skin burns with little warning. Discomfort or pain cannot be relied upon to alert a person to a serious injury. You may not feel pain or the severity of the burn until hours after the exposure. Chemical burns must be treated promptly by a physician. In the event of any complaints or symptoms, avoid further exposure.

**INGESTION:** Do not induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Consult physician or poison center immediately.

**INHALATION:** If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.

**NOTES TO PHYSICIAN:** No data available for this product.

### 5. FIRE FIGHTING MEASURES

**SUITABLE EXTINGUISHING MEDIA:** Use extinguishing media appropriate for surrounding fire.

**UNSUITABLE EXTINGUISHING MEDIA:** Do not use high pressure water jet as this may spread the area of the fire.

**SPECIFIC HAZARDS IN CASE OF FIRE:** Not flammable.

**SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTION FOR FIRE FIGHTERS:** Precautionary measures fire: Fight fire with normal precautions from a reasonable distance.  
Protection during firefighting: Use normal individual fire protective equipment.

### 6. ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** Do not breathe dust. Avoid generation of dust during clean-up of spills. Wear suitable protective clothing, gloves and eye/face protection. Use recommended respiratory protection.

<b>DATE PRINTED</b>	5/12/2015
<b>SDS REF. No :</b>	#FISHCHDAGG

**ENVIRONMENTAL PRECAUTIONS:** No data available for this product.

**METHOD AND MATERIALS FOR CONTAINMENT AND CLEANING UP:** Avoid generation of dust during clean-up of spills. Recover the product by vacuuming, shovelling or sweeping. Vacuum must be fitted with HEPA filter to prevent release of particulates during clean-up.

## 7. HANDLING AND STORAGE

**PRECAUTIONS FOR SAFE HANDLING:** Portland cement reacts chemically with water to produce calcium hydroxide which can cause severe chemical burns. Every attempt should be made to avoid skin and eye contact with cement. Do not get portland cement inside boots, shoes or gloves.

Do not allow wet, saturated clothing to remain against the skin. Promptly remove clothing and shoes that are dusty or wet with cement mixtures. Launder/clean clothing and shoes before reuse.

**CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES:** Keep portland cement dry until used. Normal temperatures and pressure do not affect the material.

## 8. EXPOSURE CONTROLS\PERSONAL PROTECTION

### EXPOSURE LIMITS

Components	CAS	Limits
Quartz (Crystalline)	14808-60-7	ACGIH TLV; TWA 0.025 mg/m <sup>3</sup> NIOSH REL; TWA 0.050 mg/m <sup>3</sup>
Portland cement	65997-15-1	OSHA PEL; TWA 5 mg/m <sup>3</sup> (Respirable), 15 mg/m <sup>3</sup> (Total)

**ENGINEERING CONTROLS:** Ensure adequate ventilation, especially in confined areas. Avoid dust production.

### PERSONAL PROTECTIVE EQUIPMENT

**RESPIRATORY PROTECTION:** Use NIOSH-approved air-purifying or supplied-air respirator where airborne concentrations of dust are expected to exceed exposure limits.

**EYES PROTECTION:** Use safety glasses (with side shields) as minimum protection. Goggles recommended. Wearing contact lenses when working with cement is not recommended.

**SKIN PROTECTION:** Impervious clothing. Rubber or plastic boots.

Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task.

Hand protection: Use chemical resistant gloves. Consult glove manufacturer for recommendations. Do not rely on barrier creams in place of impervious gloves. Do not get portland cement inside gloves. Do not get portland cement inside boots, shoes, or gloves.

Remove clothing and protective equipment that becomes saturated with cement and immediately wash exposed areas of the body.

**WORK HYGIENIC PRACTICES:** Use good personal hygiene. Do not consume or store food in the work area. Wash hands before smoking or eating. Wash contaminated clothing before reuse. Eye wash stations and emergency showers should be available.

**OTHER USE PRECAUTIONS:** No data available for this product.

**COMMENTS:** None.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Powdered crystalline solid

**COLOR:** White

**FLASH POINT AND METHOD:** No data available for this product.

**AUTO-IGNITION TEMPERATURE:** Not Determined.

<b>DATE PRINTED</b>	5/12/2015
<b>SDS REF. No :</b>	#FISHCHDAGG

**BOILING POINT/RANGE:** No data available for this product.  
**MELTING POINT:** Not Determined.  
**VAPOUR PRESSURE:** No data available for this product.  
**VAPOUR DENSITY:** No data available for this product.  
**SOLUBILITY:** Not determined.  
**ODOR/THRESHOLD:** No data available for this product.  
**LOWER / UPPER FLAMMABLE LIMITS:** No data available for this product.  
**DENSITY:** 2.9  
**EVAPORATION RATE:** No data available for this product.  
**PARTITION COEFFICIENT:** Not determined.  
**pH:** >11.5 [Conc. (% w/w): 1%]  
**DECOMPOSITION TEMPERATURE:** Not determined.

## 10. STABILITY AND REACTIVITY

**CHEMICAL STABILITY:** This product is stable under normal storage conditions.  
**POSSIBILITY OF HAZARDOUS REACTIONS:** Reacts slowly with water forming hydrated compounds, releasing heat and producing a strong alkaline solution until reaction is substantially complete.  
**CONDITIONS TO AVOID:** None known.  
**MATERIALS TO AVOID:** Avoid oxidizing materials, acids, aluminum and ammonium salt. Silicates dissolve readily in hydrofluoric acid producing a corrosive gas.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Quartz (silica) will dissolve in hydrofluoric acid producing a corrosive gas, silicon tetrafluoride.

## 11. TOXICOLOGICAL INFORMATION

### SIGNS AND SYMPTOMS OF OVEREXPOSURE:

#### ACUTE EFFECTS:

**EYE CONTACT:** Causes serious eye damage. May cause burns in the presence of moisture. Adverse symptoms may include the following: pain, watering, redness.

**SKIN CONTACT:** Causes skin burns.

**INHALATION:** Repeated or prolonged exposure to respirable crystalline silica dust will cause lung damage in the form of silicosis. Symptoms will include progressively more difficult breathing, cough, fever, and weight loss. Acute silicosis can be fatal.

**INGESTION:** Ingestion may cause gastrointestinal tract irritation.

**TARGET ORGAN:** Specific target organ toxicity (single exposure): May cause respiratory irritation.

Specific target organ toxicity (repeated exposure): Causes damage to organs (lung/respiratory system) through prolonged or repeated exposure (inhalation).

**CHRONIC EFFECTS:** Carcinogenicity: Portland cement is not classifiable as a human carcinogen. Crystalline silica is considered a hazard by inhalation. IARC has classified crystalline silica as a Group 1 substance, carcinogenic to humans. This classification is based on the findings of laboratory animal studies (inhalation and implantation) and epidemiology studies that were considered sufficient for carcinogenicity. Excessive exposure to crystalline silica can cause silicosis, a non-cancerous lung disease.

Germ cell mutagenicity: Not classified

Reproductive toxicity: Not classified

**TOXICITY VALUES:** Not determined

## 12. ECOLOGICAL INFORMATION

### PERSISTENCE AND DEGRADABILITY:

Not determined.

### BIO-ACCUMULATIVE POTENTIAL:

<b>DATE PRINTED</b>	5/12/2015
<b>SDS REF. No :</b>	#FISHCHDAGG

Not determined.

**MOBILITY IN SOIL:**

Not determined.

**OTHER ADVERSE EFFECTS:**

Not known.

**ECOTOXICOLOGICAL OTHER INFORMATION:**

No data available for this product.

**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHOD:** As supplied this product is not characteristic of a hazardous waste. Dispose of according to local, state, and federal regulations through a licensed disposal facility.

**14. TRANSPORT INFORMATION**

**UN NUMBER:** Not regulated.

**UN PROPER SHIPPING NAME:** Not regulated.

**TRANSPORT HAZARD CLASS:**

Not applicable.

**TRANSPORT HAZARD SUBCLASS:**

Not applicable.

**PACKING GROUP:** No data available for this product.

**MARINE POLLUTANT Y/N:**

No

**SPECIAL PRE-CAUTIONS:** None

**15. REGULATORY INFORMATION**

**U.S. REGULATIONS:**

All components of this product are listed on or exempt from the TSCA Inventory.

**U.S. SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

**311/312 HAZARD CATEGORIES:**

**FIRE:** No

**PRESSURE GENERATING:** No

**REACTIVITY:** No

**ACUTE:** Yes

**CHRONIC:** Yes

**313 REPORTABLE INGREDIENTS:**

**313 REPORTABLE INGREDIENTS**

Chemical Name	Weight %	CAS
Quartz (Crystalline)	70% to 100%	14808-60-7

**302/304 EMERGENCY PLANNING**

**EMERGENCY PLAN:** No data available for this product.

**STATE REGULATIONS:**

The following chemicals are California Proposition 65 reportable:

Chemical Name	CAS
Quartz (Crystalline)	14808-60-7

<b>DATE PRINTED</b>	5/12/2015
<b>SDS REF. No :</b>	#FISHCHDAGG

**Massachusetts Right To Know Components**

<b>Chemical Name</b>	<b>CAS</b>
Quartz (Crystalline)	14808-60-7
Portland cement	65997-15-1

**Pennsylvania Right To Know Components**

<b>Chemical Name</b>	<b>CAS</b>
Quartz (Crystalline)	14808-60-7
Portland cement	65997-15-1

**New Jersey Right To Know Components**

<b>Chemical Name</b>	<b>CAS</b>
Quartz (Crystalline)	14808-60-7
Portland cement	65997-15-1

**OTHER GOVT. REGULATIONS:** No other information available

**16. OTHER INFORMATION**

<b>DATE CREATED</b>	05-12-15
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