



# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

Material name	AKWASWELL™
Version #	04
Revision date	24-February-2011
CAS #	Mixture
Manufacturer information	CETCO Building Materials Group 2870 Forbs Avenue Hoffman Estates, IL 60192 US safety.data@amcol.com <a href="http://www.cetco.com/">http://www.cetco.com/</a> General Information (800) 527-9948 CHEMTREC® (800) 424-9300

## 2. Hazards Identification

Emergency overview	Irritating to eyes, respiratory system and skin. May cause sensitization by inhalation and skin contact. Prolonged or repeated exposure increases the risk.
Potential health effects	
Routes of exposure	Inhalation. Skin contact.
Eyes	Irritating to eyes. Symptoms include itching, burning, redness and tearing.
Skin	Substance causes moderate skin irritation. May cause sensitization by skin contact.
Inhalation	May cause irritation of respiratory tract. May cause sensitization by inhalation.
Ingestion	Irritating to mouth, throat, and stomach. Ingestion of this product may cause nausea, vomiting and diarrhea.
Signs and symptoms	Cough. Discomfort in the chest. Shortness of breath.

## 3. Composition / Information on Ingredients

The manufacturer lists no ingredients as hazardous according to OSHA 29 CFR 1910.1200.

## 4. First Aid Measures

First aid procedures	
Eye contact	Immediately flush eyes with plenty of water for at least 20 minutes. Get medical attention if irritation develops or persists.
Skin contact	Wash off immediately with plenty of water. Remove and isolate contaminated clothing and shoes. Get medical attention if irritation develops or persists.
Inhalation	Move to fresh air. Oxygen or artificial respiration if needed. Get medical attention immediately.
Ingestion	If material is ingested, immediately contact a physician or poison control center. Do not induce vomiting without medical advice. If swallowed, rinse mouth with water (only if the person is conscious).
Notes to physician	Symptoms may be delayed. Keep under medical supervision for at least 48 hours. Provide general supportive measures and treat symptomatically.
General advice	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

## 5. Fire Fighting Measures

Flammable properties	During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.
Extinguishing media	
Suitable extinguishing media	Carbon dioxide (CO <sub>2</sub> ). Alcohol foam. Water spray. Dry chemical. Foam.

## Protection of firefighters

### Protective equipment and precautions for firefighters

Move containers from fire area if you can do it without risk. Do not scatter spilled material with high pressure water streams. Withdraw immediately in case of rising sound from venting safety devices or any discoloration of tanks due to fire. ALWAYS stay away from tanks engulfed in flame. Cool containers with flooding quantities of water until well after fire is out.

### Fire fighting equipment/instructions

Move containers from fire area if you can do it without risk. Do not scatter spilled material with high pressure water streams. Withdraw immediately in case of rising sound from venting safety devices or any discoloration of tanks due to fire. ALWAYS stay away from tanks engulfed in flame. Cool containers with flooding quantities of water until well after fire is out.

### Specific methods

In the event of fire, cool tanks with water spray. Use water spray to cool unopened containers.

## 6. Accidental Release Measures

### Personal precautions

Ensure adequate ventilation. Use personal protective equipment. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.

### Environmental precautions

Prevent further leakage or spillage if safe to do so.

### Methods for containment

Stop leak if you can do so without risk. Dike the spilled material, where this is possible.

### Methods for cleaning up

Dike far ahead of liquid spill for later disposal. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. After removal flush contaminated area thoroughly with water. Ventilate the contaminated area.

## 7. Handling and Storage

### Handling

Wash hands after handling and before eating. When using do not eat or drink. Avoid contact with skin and eyes. Do not get this material in your eyes, on your skin, or on your clothing. Do not handle or store near an open flame, heat or other sources of ignition.

### Storage

Keep locked-up. Keep out of the reach of children. Keep this material away from food, drink and animal feed. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep at temperatures between 5 and 25°C. Keep away from heat, sparks, and flame. Protect from sunlight.

## 8. Exposure Controls / Personal Protection

### Engineering controls

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. If these are not sufficient to maintain concentrations of particulates and solvent vapor below the OEL, suitable respiratory protection must be worn.

### Personal protective equipment

#### Eye / face protection

Wear safety glasses with side shields (or goggles) and a face shield.

#### Skin protection

Where contact is likely, wear chemical-resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield. Use of butyl rubber or nitrile gloves is recommended.

#### Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Wear a NIOSH-approved (or equivalent) full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

#### General hygiene considerations

Keep away from food and drink. When using do not smoke. Use good industrial hygiene practices in handling this material. Eye wash fountain and emergency showers are recommended.

## 9. Physical & Chemical Properties

### Appearance

Paste.

### Color

Grey.

### Odor

Sweet.

### Odor threshold

Not available.

### Physical state

Solid

### Form

Paste.

### pH

Not available.

### Melting point/Freezing point

Not available.

### Boiling point

Not available.

### Flash point

> 266 °F (> 130 °C)

### Evaporation rate

Not available.

### Flammability limits in air, upper, % by volume

Not available.

<b>Flammability limits in air, lower, % by volume</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Specific gravity</b>	0.00244 estimated
<b>Relative density</b>	1.5 g/cm3
<b>Solubility (water)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	> 842 °F (> 450 °C)
<b>Decomposition temperature</b>	Not available.
<b>VOC</b>	0 % estimated
<b>Percent volatile</b>	0 % estimated

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	Stable at normal conditions. No hazards to be especially mentioned.
<b>Conditions to avoid</b>	Direct sources of heat. Keep away from water.
<b>Incompatible materials</b>	This product may react with strong oxidizing agents. Reaction with water may generate much heat which will increase the concentration of fumes in the air.
<b>Hazardous decomposition products</b>	Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. and hydrogen cyanide (hydrocyanic acid)
<b>Possibility of hazardous reactions</b>	Hazardous polymerization can occur with elevated temperatures. Hazardous polymerization can occur with contact with alkalies. Hazardous polymerization can occur with metallic catalysts.

## 11. Toxicological Information

### Toxicological data

<b>Product</b>	<b>Test Results</b>
AKWASWELL™ (Mixture)	Acute Dermal LD50 Rabbit: 99999 mg/kg Acute Inhalation LC50 Guinea pig: 19.2 mg/l estimated Acute Inhalation LC50 Mouse: 10 mg/l estimated Acute Inhalation LC50 Rabbit: 78.3 mg/l estimated Acute Inhalation LC50 Rat: 100 mg/l/4h Acute Inhalation LC50 Rat: 8.6 mg/l estimated
<b>Sensitization</b>	May cause sensitization by inhalation and skin contact.
<b>Local effects</b>	Harmful by inhalation. Irritating to respiratory system and skin.
<b>Chronic effects</b>	Repeated or prolonged contact causes sensitization, asthma and eczemas. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.
<b>Carcinogenicity</b>	Not listed by ACGIH, IARC, NIOSH, NTP OR OSHA.
<b>Mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
<b>Further information</b>	Persons allergic to isocyanates, and particularly those suffering from asthma or other respiratory conditions, should not work with isocyanates.

## 12. Ecological Information

<b>Ecotoxicity</b>	No data available for this product. Components of this product have been identified as having potential environmental concerns.
<b>Environmental effects</b>	We have no quantitative data concerning the ecological effects of this product. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
<b>Persistence and degradability</b>	Not available.

## 13. Disposal Considerations

<b>Disposal instructions</b>	Dispose in accordance with all applicable regulations.
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## 14. Transport Information

### DOT

Not regulated as dangerous goods.

## 15. Regulatory Information

### US federal regulations

OSHA Process Safety Standard: This material is not known to be hazardous by the OSHA Highly Hazardous Process Safety Standard, 29 CFR 1910.119.

### CERCLA (Superfund) reportable quantity

None

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### Hazard categories

Immediate Hazard - No  
Delayed Hazard - No  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

#### Section 302 extremely hazardous substance

No

#### Section 311 hazardous chemical

No

### Inventory status

#### Country(s) or region

#### Inventory name

#### On inventory (yes/no)\*

Australia

Australian Inventory of Chemical Substances (AICS)

No

Canada

Domestic Substances List (DSL)

No

Canada

Non-Domestic Substances List (NDSL)

No

China

Inventory of Existing Chemical Substances in China (IECSC)

No

Europe

European Inventory of Existing Commercial Chemical Substances (EINECS)

No

Europe

European List of Notified Chemical Substances (ELINCS)

No

Japan

Inventory of Existing and New Chemical Substances (ENCS)

No

Korea

Existing Chemicals List (ECL)

No

New Zealand

New Zealand Inventory

No

Philippines

Philippine Inventory of Chemicals and Chemical Substances (PICCS)

No

United States & Puerto Rico

Toxic Substances Control Act (TSCA) Inventory

No

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

### State regulations

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

### US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

TOLUENE DIISOCYANATE (CAS 26471-62-5)

Listed: October 1, 1989 Carcinogenic.

## 16. Other Information

### Recommended restrictions

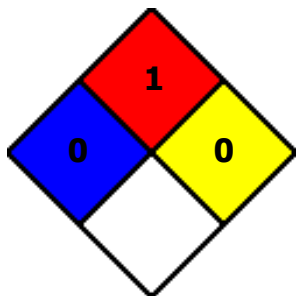
Workers (and your customers or users in the case of resale) should be informed of the potential presence of respirable dust and respirable crystalline silica as well as their potential hazards. Appropriate training in the proper use and handling of this material should be provided as required under applicable regulations.

### Further information

This safety datasheet only contains information relating to safety and does not replace any product information or product specification.

### HMIS ratings

HMIS®	HMIS®	HMIS®	HMIS®	HMIS®	HMIS®	HMIS®	HMIS®					
HMIS®												
HEALTH		/	0									
FLAMMABILITY			1									
PHYSICAL HAZARD			0									
PERSONAL PROTECTION												

**NFPA ratings****Disclaimer**

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