



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name	AKWASEAL™ PUMP FLUSH
Version #	04
Revision date	24-February-2011
Chemical description	Liquid
CAS #	Mixture
Manufacturer information	CETCO Building Materials Group 2870 Forbs Avenue Hoffman Estates, IL 60192 US safety.data@amcol.com http://www.cetco.com/ General Information (800) 527-9948 CHEMTREC® (800) 424-9300

2. Hazards Identification

Potential health effects

Routes of exposure	Inhalation. Ingestion. Skin contact. Eye contact
Eyes	Contact with eyes may cause irritation.
Skin	Avoid contact with the skin. Mild skin irritation
Inhalation	Inhalation of vapors or mists of the product may be irritating to the respiratory system. For additional information on inhalation hazards, see Section 11 of this safety data sheet.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

3. Composition / Information on Ingredients

No ingredients are present at or above the minimum concentration specified on the WHMIS Ingredient Disclosure List.

Composition comments This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

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 with soap and water. Immediately flush skin with running water for at least 20 minutes. Remove and isolate contaminated clothing and shoes. Get medical attention if irritation develops or persists.
Inhalation	If inhalation of gas/fume/vapor/dust/mist from the material is excessive (air concentration is greater than the TLV or health effects are noticed), immediately remove the affected person(s) to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Call a physician if symptoms develop or persist.
Ingestion	If material is ingested, immediately contact a physician or poison control center. Have victim rinse mouth thoroughly with water. Do not induce vomiting without medical advice. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration.

5. Fire Fighting Measures

Extinguishing media

Suitable extinguishing media Dry chemical, CO₂, water spray or regular foam. Do not use straight streams.

Protection of firefighters

Protective equipment for firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Fire fighting

equipment/instructions Move containers from fire area if you can do it without risk. Cool containers with flooding quantities of water until well after fire is out. Do not scatter spilled material with high pressure water streams.

Hazardous combustion products Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

6. Accidental Release Measures

Personal precautions Ensure adequate ventilation. 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. Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

Methods for containment Stop leak if you can do so without risk. Dike the spilled material, where this is possible. Eliminate all sources of ignition or flammables that may come into contact with a spill of this material.

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.

7. Handling and Storage

Handling Do not get this material in your eyes, on your skin, or on your clothing. Wash hands after handling and before eating. Use only in area provided with appropriate exhaust ventilation. Avoid breathing vapors or mists of this product. 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. Store in cool place. Keep in a well-ventilated place. Keep away from heat, sparks, and flame.

8. Exposure Controls / Personal Protection

Exposure guidelines Contains no substances with occupational exposure limit values.

Engineering controls Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Personal protective equipment

- Eye / face protection** Wear safety glasses with side shields (or goggles) and a face shield.
- Skin protection** Wear appropriate chemical resistant gloves.
- Respiratory protection** Use an organic vapor respirator for concentrations exceeding the Occupational Exposure Limit.

9. Physical & Chemical Properties

Appearance Not available.

Color Clear.

Odor Not available.

Odor threshold Not available.

Physical state Not available.

Form Liquid.

pH 7

Melting point/Freezing point Not available.

Boiling point Not available.

Flash point Not available.

Evaporation rate Not available.

Flammability limits in air, upper, % by volume Not available.

Flammability limits in air, lower, % by volume Not available.

Vapor pressure Not available.

Vapor density Not available.

Specific gravity 0.971 - 0.978

Relative density Not available.

Solubility (water) Not available.

Partition coefficient (n-octanol/water) Not available.

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity 68 - 82 cps

10. Chemical Stability & Reactivity Information

Chemical stability Stable at normal conditions. No hazards to be especially mentioned.
Conditions to avoid None known.
Incompatible materials Strong oxidizing agents.
Hazardous decomposition products Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.
Possibility of hazardous reactions Will not occur.

11. Toxicological Information

Toxicological data

Product

AKWASEAL™ PUMP FLUSH (Mixture)

Test Results

Acute Dermal LD50 Rabbit: 3160 mg/kg estimated
Acute Dermal LD50 Rabbit: 3.16 g/kg estimated
Acute Inhalation LC50 Rat: 4.4 mg/l estimated
Acute Inhalation LC50 Rat: 4 mg/l/4h
Acute Oral LD50 Rat: 9750 mg/kg
Acute Oral LD50 Rat: 10 g/kg estimated

Local effects Harmful by inhalation.
Carcinogenicity Not listed by ACGIH, IARC, NIOSH, NTP OR OSHA.

12. Ecological Information

Ecotoxicological data

Product

AKWASEAL™ PUMP FLUSH (Mixture)

Test Results

EC50 Daphnia: 0.06 mg/l 48.00 Hours estimated
LC50 Fish: 0.9071 mg/l 96.00 Hours estimated

Ecotoxicity This material is not expected to be harmful to aquatic life. In high concentrations, this product may be dangerous to aquatic life and fouling to shorelines.
Environmental effects Based on the physical properties of this product, significant environmental persistence and bioaccumulation would not be expected.
Persistence and degradability Not available.

13. Disposal Considerations

Disposal instructions Dispose in accordance with all applicable regulations.

14. Transport Information

TDG

Not regulated as dangerous goods.

15. Regulatory Information

Canadian regulations This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

WHMIS status Non-controlled

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No

Country(s) or region	Inventory name	On inventory (yes/no)*
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

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

16. Other Information

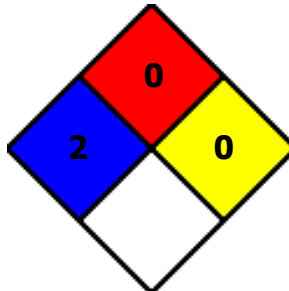
Recommended restrictions Workers (and your customers or users in the case of resale) should be informed of the potential presence of respirable dust and respirable crystalline silica as well as their potential hazards. Appropriate training in the proper use and handling of this material should be provided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



NFPA ratings



Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The manufacturer expressly does not make any representations, warranties, or guarantees as to its accuracy, reliability or completeness nor assumes any liability, for its use. It is the user's responsibility to verify the suitability and completeness of such information for each particular use.

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