

MATERIAL SAFETY DATA SHEET

A-Tech Hydra-Block

NFPA

Health: 1

Fire: 0

Reactivity: 0

HMIS

Health: 1

Fire: 0

Reactivity: 0

Section I- Product and Company Identification

Manufacturer: Applied Technologies, LLC
P O Box 18476
Fairfield, OH 45018

Telephone No.: 513-939-3767

Emergency Contact Phone No.: Chem-Trec: 1-800-424-9300

Date: 02/27/10 Supersedes 01/05/08

Product Name: A-Tech Hydra-Block

CAS Number: Not Established

Product Uses: Concrete Sealer

Product Identification-5 Gallon Pail, 1 Gallon Jug, 55 Gallon Drum

Section II-Composition Information for Ingredients

Silic Acid, sodium salt **CAS # 1344-09-08** **25% by weight**

Exposure Limits	OSHA (PEL/TWA)	ACGIH (TLV/TWA)	Other
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Section III-Hazards Identification

Caution-Causes eye irritation

Primary Routes of Entry: Inhalation, skin absorption, skin contact, eye contact and ingestion.

Eye Hazards- Can cause eye irritation. Symptoms include stinging, tearing, redness and swelling of eyes.

Skin Hazards- Can cause skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, burns and other skin damage. Passage of this material into the body through the skin is possible, but it is unlikely that this would result in harmful effects during safe handling and use.

Ingestion Hazards- Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury. Deliberate or direct ingestion of vapor spray or mist may be harmful or fatal.

Inhalation Hazards- Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms usually occur at air concentrations higher than the recommended exposure limits. Deliberate or direct inhalation of vapor or spray mist may be harmful or fatal.

Potential Health Effects- Chronic: Prolonged or repeated skin contact with this product may result in irritation and dermatitis.

Carcinogenicity-

NTP
NO

IARC Monographs

NO

OSHA Regulated

NO

Conditions Aggravated by Exposure- Pre-existing skin, eye and respiratory disorders may be aggravated by exposure to components of this product.

Section IV- First Aid

Eye- If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart, seek immediate medical attention.

Skin- Remove contaminated clothing. Clean exposed skin with a waterless hand cleaner, then wash with soap and water.

Ingestion- Seek medical attention. Do not induce vomiting. If individual is drowsy or unconscious, do not give anything by mouth, place individual on the left side with the head down. If possible, do not leave person unattended.

Inhalation- If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet, seek immediate medical attention.

Section V-Fire Fighting Measures

Flash Point-N/A

Auto Ignition Point: N/A

Extinguishing Media- Media appropriate for surrounding fire

Fire Fighting Instructions- Water can be used to cool closed containers. Wear self-contained breathing apparatus with a full-face piece operated in the positive pressure demand mode with appropriate turnout gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS.

Section VI-Accidental Release Measures

Measures for environmental protection- Dilute with plenty of water

Measures for cleaning/collecting- Absorb with liquid binding material, (sand, acid binders, sawdust)

Section VII-Handling and Storage

Storage Precautions- KEEP MATERIAL FROM FREEZING.

Protection from explosion or fire- No special precautions

Information for safe handling- Wear appropriate protective clothing to prevent eye and skin contact. Avoid breathing vapors or mist. Do not take internally.

Other Precautions- No special requirements for storage.

Section VIII-Exposure Controls/ Protective Clothing

Exposure Controls- None required

Components with limit values that require monitoring in the workplace- the product does not contain any relevant quantities of materials with critical values that have to be monitored.

General protective and hygienic measures-

Protection of hands- Wear gloves
Keep away from food and beverages
Immediately remove soiled clothing
Wash hands after use
Avoid contact with eyes
Avoid contact with skin
Breathing equipment- Not required

Section IX-Physical and Chemical Properties

Appearance-Clear liquid

Physical State-Liquid

Melting Point- NA

Boiling Point-; 212^o F for water

pH: 8.5-9.6

Flash Point- N/A

Danger of Explosion- No explosive danger

Density-1.088 g/cc

VOC- Contains 0 g/L

Chemical Type-Mixture

Specific Gravity- (H₂O=1) 1.0-1.2 for product

Vapor Density- air=1: <1

Evaporation Rate (n-Butyl Acetate=1) <1.0

Autoignition- Not self igniting

Vapor Pressure-17 mm HG

Solvent Content- 91.5% water

Section X- Stability and Reactivity

Stability: Stable

Hazardous Decomposition Products- No decomposition if used according to specifications

Dangerous Reactions- No dangerous reactions known

Hazardous Polymerization- Will not occur

Section XI- Toxicological Information

Primary Irritant Effect:

On Skin- No irritant effect

On Eyes- Irritating effect

Sensitization- No effect known

Components

Silicic Acid, Sodium Salt

Oral LD 50 (rat)

3000 mg/kg

Dermal LD50 (rabbit)

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Inhalation LC50 (rat)

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Section XII- Ecological Information

General Notes- No data available

Section XIII-Disposal Information

Dispose of in accordance with all applicable local, state and federal regulations. This material does not meet RCRA's characteristic definition of ignitability, corrosivity, or reactivity and is not listed in 49 CFR 261.33. The toxicity characteristics, however has not been evaluated by the Toxicity Characteristic Leaching Procedure (TCLP).

Section XIV-Transportation Information

DOT regulations- Not regulated
Hazard Class- N/A
Limited Quantity Exemption- N/A
US Domestic Ground Shipments- Not regulated

Section XV- Regulatory Information

OSHA-This material is non-hazardous under OSHA Hazard Communication Standard
CERCLA Reportable Quantity: N/A

SARA TITLE III

Section 311/312 hazard categories: N/A
Section 313 reportable ingredients:

<u>Components</u>	<u>CAS#</u>	<u>Maximum %</u>
N/A	-----	-----

Section XVI-Other Information

NFPA RATING

Health:1
Fire: 0
Reactivity: 0

HMIS Rating

Health: 1
Fire: 0
Reactivity:0

Disclaimer

The above information pertains to this product as currently formulated and is based on the information available at this time. Addition of reducers or other additives to these products may substantially alter the composition and hazards of the product. Since conditions of use are outside of our control.

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