

SAFETY DATA SHEET

Powder HD Concrete Floor Cleaner

SECTION 1: PRODUCT & COMPANY IDENTIFICATION

DATE: 01/11/2015 / Supersedes Revision: N/A

Distributor:

Alco-Chem, Inc.
45 N. Summit Street
Akron, OH 44308
Phone: (330) 253-3535
Website: www.alco-chem.com

EMERGENCY CONTACT: Chem-Tel, Inc.

Phone: 1-800-255-3924

Product Name: Powder HD Concrete Floor Cleaner

ID Code: 4306

Product Category: Alkaline Detergent

SECTION 2: HAZARD(S) IDENTIFICATION

Acute Toxicity: Oral, Category 4

Skin Corrosion/Irritation, Category 1A

Skin Corrosion/Irritation, Category 1B

Skin Corrosion/Irritation, Category 1C



GHS Signal Word: DANGER

GHS Hazard Phrases:

H319 - Causes serious eye irritation.

H302 - Harmful if swallowed.

H314 - Causes severe skin burns and eye damage.

GHS Precaution Phrases:

P264 - Wash hands thoroughly after handling.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P270 - Do not eat, drink or smoke when using this product.

P260 - Do not breathe dust/fume/gas/mist/vapours/spray.

GHS Response Phrases:

P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison control center or physician for treatment advice. Have product container or label with you when calling poison control center or physician.

P337+313 - If eye irritation persists, get medical advice/attention.

P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P330 - Rinse mouth.

P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

P363 - Wash contaminated clothing before reuse.

P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P310 - Immediately call a POISON CENTER/doctor.

GHS Storage and Disposal Phrases:

P405 - Store locked up.

P501 - Unused product is not a RCRA Hazardous waste. However, contaminated product and wastes may be RCRA hazardous. Users are advised to determine the appropriate disposal method based on local, state and federal regulations and comply with those regulations.

Hazard Rating System:

HMIS

Health: 2

Flammability: 0

Physical: 1

PPE: B

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Potential Health Effects (Acute and Chronic): Adverse reproductive effects have been reported in animals.

Inhalation: Harmful if inhaled. May cause respiratory tract irritation. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

Skin Contact: Causes skin irritation. Ingestion can cause burning pain in mouth, throat and abdomen - May be fatal if ingested. Causes skin burns.

Eye Contact: Causes eye irritation. Lachrymator (substance which increases the flow of tears). Causes eye burns. Exposure to solid may cause pain and redness.

Ingestion: May cause irritation of the digestive tract. Harmful if swallowed. Causes burns. Ingestion of large amounts may cause nausea and vomiting, rigidity or convulsions. Continued exposure can produce coma, dehydration, and internal organ congestion.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
6834-92-0	Silicic acid (H ₂ SiO ₃), Disodium salt	25.0 -35.0 %

SECTION 4: FIRST-AID MEASURES

Emergency and First Aid Procedures:

In Case of Inhalation: Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Get medical aid. If breathed in, move person into fresh air. Get medical aid if cough or other symptoms appear.

In Case of Skin Contact: Wash off with soap and plenty of water. Consult a physician. Get medical aid if irritation develops or persists.

In Case of Eye Contact: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid. If irritation develops, get medical aid.

In Case of Ingestion: Get medical aid. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Signs and Symptoms Of Exposure: Burning sensation, Breathing dusts from the use of this product may be harmful. Wheezing, Laryngitis, Shortness of breath.

Note to Physician:

SECTION 5: FIRE-FIGHTING MEASURES

Flash Point: NP Method Used: Estimate

Explosive Limits: LEL: UEL:

Autoignition Pt: NA

Suitable Extinguishing Media: Substance is noncombustible; use agent most appropriate to extinguish surrounding fire. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray, dry chemical, carbon dioxide, or chemical foam.

Fire Fighting Instructions: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Wear self contained breathing apparatus for fire fighting if necessary. Further information. The product itself does not burn. Wear appropriate protective clothing to prevent contact with skin and eyes. Wear a self-contained breathing apparatus (SCBA) to prevent contact with thermal decomposition products. Material will not burn.

Flammable Properties and Hazards:

SECTION 6: ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled: Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Wear a self contained breathing apparatus and appropriate personal protection. (See Exposure Controls, Personal Protection section). Do not let this chemical enter the environment. Personal precautions. Use personal protective equipment. Avoid breathing dust. Ensure adequate ventilation. Evacuate personnel to safe areas. Environmental precautions. Do not let product enter drains. Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal. Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

SECTION 7: HANDLING AND STORAGE

Precautions To Be Taken in Handling: Minimize dust generation and accumulation. Do not ingest or inhale. Use only in a chemical fume hood. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

Precautions To Be Taken in Storing: Store in a cool, dry place. Store in a tightly closed container. Keep away from acids. Keep container tightly closed in a dry and well-ventilated place. Hygroscopic.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
6834-92-0	Silicic acid (H ₂ SiO ₃), Disodium salt			

Respiratory Equipment (Specify Type): A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Respirator protection is not normally required.

Eye Protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. Face shield and safety glasses.

Protective Gloves: Wear appropriate protective gloves to prevent skin exposure. Handle with gloves.

Other Protective Clothing: Wear appropriate protective clothing to prevent skin exposure. Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Engineering Controls (Ventilation etc.): Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low. There are no special ventilation requirements.

Work/Hygienic/Maintenance Practices: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical States: Gas Liquid Solid

Appearance and Odor: Yellow, free flowing granular solid.

Pine odor.

Melting Point: NA

Boiling Point: NA

Autoignition Pt: NA

Flash Pt: NP

Explosive Limits: LEL: UEL:

Specific Gravity (Water = 1):

Density: 63.2 - 70.2 LB/CF

Vapor Pressure (vs. Air or mm Hg):

Vapor Density (vs. Air = 1):

Evaporation Rate:

Solubility in Water: 100%

pH: < 12.0

Percent Volatile: < 25.0 % by weight.

VOC/Volume: 0.0000 G/L

SECTION 10: STABILITY AND REACTIVITY

Stability: Unstable Stable

Conditions To Avoid - Instability: No data available.

Incompatibility – Materials To Avoid: Acids, Strong acids. Metals. fluorine, Hydrogen peroxide, phosphorus pentoxide, 6-trinitrotoluene. Incompatible with alkalis, sol carbonates, gold and silver salts, lead acetate, lime water, potassium iodide, potassium and sodium tartrate, sodium borate, tannin, vegetable astringent infusions and decoctions. Lead. Tin/tin oxides, Zinc, bromine trifluoride, nitrogen compounds, None.

Hazardous Decomposition Or Byproducts: Carbon monoxide, Carbon dioxide, formed under fire conditions. Sodium oxides, silicon oxides. Hydrogen chloride, sodium oxide. None.

Possibility of Hazardous Reactions: Will occur Will not occur

Conditions To Avoid -Hazardous Reactions:

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological Information: Epidemiology: No information found. Teratogenicity: Teratogenic effects have occurred in experimental animals. Reproductive Effects: Mutagenicity: Neurotoxicity: Other Studies: The only adverse effect noted from occupational exposures have been mild nasal irritation with exposure to high dust levels and hypertension.

Teratogenicity: No information available. No data available. Teratogenicity: No data available.

Irritation or Corrosion: Skin - rabbit - Severe skin irritation - -24 h.

Carcinogenicity/Other Information: CAS# 497-19-8: Not listed by ACGIH, IARC, NTP, or CA Prop 65. Carcinogenicity.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. CAS# 7647-14-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 7732-18-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
6834-92-0	Silicic acid (H ₂ SiO ₃), Disodium salt	n.a.	n.a.	n.a.	n.a.

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SECTION 12: ECOLOGICAL INFORMATION

General Ecological Information: Environmental: Not regulated.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. RCRA P-Series: None listed. RCRA U-Series: None listed. Product. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Contaminated packaging. Dispose of as unused product.

SECTION 14: TRANSPORTATION INFORMATION (DOT/UN CLASSIFICATION)

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not Regulated.

UN/NA Number:

LAND TRANSPORT (Canadian TDG):

TDG Shipping Name:

SECTION 15: REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
6834-92-0	Silicic acid (H ₂ SiO ₃), Disodium salt	No	No	No

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
6834-92-0	Silicic acid (H ₂ SiO ₃), Disodium salt	CAA HAP, ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No

SECTION 16: OTHER INFORMATION

Revision Date: 01/11/2015

Preparer Name: Regulatory Affairs

Additional Information About This Product:

Company Policy or Disclaimer: The information contained in this Safety Data Sheet is provided pursuant to current OSHA regulations to convey information concerning the hazardous nature of the named product. The information supplied was compiled from the most reliable sources available at the time of preparation and in light of the most reasonable foreseeable exposure situations expected from the intended use of this product. The material(s) may present greater or lesser hazard exposure under other circumstances that are beyond the control of the manufacturer. Therefore it is imperative that all directions and warnings on the product label be read and closely followed.