SAFETY DATA SHEET

SECTION 1- CHEMICAL PRODUCT AND MANUFACTURER'S IDENTIFICATION

Product ID: 3710
Product Name: PILE DRIVER
Revision Date: JUNE 1, 2023
Manufacturer's Name: K-OHH!
Address: 281 SOUTHWEST AVE., TALLMADGE, OH 44278
Emergency Phone: 800.686.1717
Information Phone Number: 866.662.6710
Product/Recommended Uses: INDUSTRIAL NON-CAUSTIC CLEANER/DEGREASER
USDA: A1

SECTION 2- HAZARDS IDENTIFICATION

Classification:

Skin Irritation - Category 2
Serious Eye Damage – Category 1
Corrosive to metals – Category 1

Pictograms:

Signal Word:
Danger

Hazardous Statements – Physical:
H290 – May be corrosive to metals.

Hazardous Statements – Health:
H315 – Causes skin irritation.
H318 – Causes serious eye damage.

Precautionary Statements – General:
P101 – If medical advice is needed, have product container or label at hand.
P102 – Keep out of reach of children.
P103 – Read label before use.

Precautionary Statements – Prevention
P234 – Keep only in original packaging.
P280 – Wear protective gloves, protective clothing, eye protection and face protection.
P264 – Wash hands thoroughly after handling.

Precautionary Statements – Response
P390 – Absorb spillage to prevent material damage.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER or doctor.

P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P363 - Wash contaminated clothing before reuse.
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Precautionary Statements – Storage

P406 – Store in a corrosive resistant container with a resistant inner liner.
P405 – Store locked up.

Precautionary Statements – Disposal

P501 – Dispose of contents and container in accordance with local, regional, national and international regulations.

SECTION 3 – COMPOSTION, INFORMATION ON INGREDIENTS

CAS	Chemical Name	% By Weight
0006834-92-0	Silicic Acid, Disodium Salt, Pentahydrate	2 - 5

Specific chemical identity and/or exact percentage (concentration) of the composition has been withheld to protect confidentiality.

SECTION 4 – FIRST-AID MEASURES

Inhalation:
Remove source of exposure or move person to fresh air and keep comfortable for breathing.
If exposed/feel unwell/concerned: Get medical attention.

Eye Contact:
Remove source of exposure or move person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for a duration of 15-20 minutes. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists: Get medical advice/attention.

Skin Contact:

Take off immediately contaminated clothing. Rinse skin with water/shower for 5 minutes or until product is removed. Store contaminated clothing under water and wash before re-use or discard.

Ingestion:
Rinse mouth. Give two glasses of water. If you feel unwell or if concerned: Get medical advice/attention. Do NOT induce vomiting unless under the advice/direction of doctor/POISON CENTER. Note: Never give anything by mouth to an unconscious or convulsing person. Keep person warm and quiet.

SECTION 5 – FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Will not burn. Use extinguishing media suitable for surrounding fire.

Unsuitable Extinguishing Media

None known.

Fire-Fighting Procedures

Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel.

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Special Protective Actions

Wear protective pressure self-contained breathing apparatus (SCBA) and full turnout gear.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Emergency Procedure

Do not touch or walk-through spilled material. Isolate hazard area and keep unnecessary people away. Notify authorities if any exposure to the general public or the environment occurs or is likely to occur.

Neutralize retained product. Wash neutralized product to sewer with large amounts of water in accordance with all federal, state, and local laws. Dike area to prevent spreading of spilled material. Cover with an inert absorbent, shovel into appropriate containers and dispose of in accordance with federal, state and local regulations.

Recommended Equipment

Wear safety glasses, gloves, and apron.

Personal Precautions

Avoid breathing vapor. Avoid contact with skin, eye or clothing. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

Environmental Precautions

Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers.

Methods and Materials for Containment and Cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

SECTION 7 – HANDLING AND STORAGE

General

Wash hands after use.
Do not get in eyes, on skin or on clothing.
Do not breathe vapors or mists.
Use good personal hygiene practices.
Eating, drinking and smoking in work areas is prohibited.
Remove contaminated clothing and protective equipment before entering eating areas.

Ventilation Requirements

Use only with adequate ventilation to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source.

Storage Room Requirements

Keep container(s) tightly closed and properly labeled. Store in cool, dry, well-ventilated areas away from heat, direct sunlight and incompatibilities. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use.
Containers that have been opened must be carefully resealed to prevent leakage.
Store at temperatures between 40°F and 100°F.
FOR INDUSTRIAL AND INSTITUTIONAL USE ONLY. FOR USE BY TRAINED PERSONNEL ONLY. KEEP FROM FREEZING.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection

Wear eye protection with side shields or goggles. Wear indirect-vent, impact and splash resistant goggles when working with liquids. If additional protection is needed for entire face, use in combination with a face shield.

Skin Protection

Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice

from glove suppliers. Contaminated gloves should be replaced. Use of an apron and over-boots of chemically impervious materials such as neoprene or nitrile rubber is recommended to avoid skin sensitization. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Launder soiled clothes or properly disposed of contaminated material, which cannot be decontaminated.

Respiratory Protection

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed. Check with respiratory protective equipment suppliers. Where air-filtering respirators are suitable, select an appropriate combination of mask and filter.

Appropriate Engineering Controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

Chemical	OSHA TWA (mg/m3)	OSHA TWA (ppm)	OSHA STEL (mg/m3)	OSHA STEL (ppm)	OSHA Carcinogen	OSHA Skin designation	OSHA Tables (Z1.Z2.Z3)	ACGIH TWA (mg/m3)

Chemical	ACGIH TWA (ppm)	ACGIH STEL (mg/m3)	ACGIH STEL (ppm)	ACGIH Carcinogen	ACGIH TLV Basis	ACGIH Notations	NIOSH TWA (mg/m3)	NIOSH TWA (ppm)

Chemical	NIOSH STEL (mg/m3)	NIOSH STEL (ppm)	NIOSH Carcinogen

"C" - Ceiling limit, (I) – Inhalable fraction, A4 – Not Classifiable as a Human Carcinogen, irr = irritation, URT = Upper Respiratory Tract

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Density	8.93 lb./gal
Density VOC	0.00 lb./gal.
% VOC	0.00%
Appearance	Green Liquid
Odor Threshold	N.A.
Odor Description	Mild Chemical Scent
pH	13.0 $\pm$ 0.5
Water Solubility	Complete
Flammability	Will NOT Burn
Flash Point	N.A.
Viscosity	N.A.
Lower Explosion Level	N.A.
Upper Explosion Level	N.A.
Vapor Pressure	N.A.
Vapor Density	N.A.
Melting Point	N.A.
Freezing Point	32 F
Low Boiling Point	212 F
High Boiling Point	N.A.
Decomposition Point	N.A.
Auto Ignition Temperature	N.A.
Evaporation Rate	N.A.
VOC Composite Partial Pressure	N.A.

SECTION 10 – STABILITY AND REACTIVITY

Stability

The product is stable under normal storage conditions.

Conditions to Avoid

Keep from freezing.

Incompatible Materials

None known.

Hazardous Reactions/Polymerization

Will not occur.

Hazardous Decomposition Products

None known.

SECTION 11 – TOXICOLOGICAL INFORMATION

Skin Corrosion/Irritation

Causes skin irritation.

Serious Eye Damage/Irritation

Causes serious eye damage.

Carcinogenicity

No data available

Germ Cell Mutagenicity

No data available

Reproductive Toxicity

No data available

Respiratory/Skin Sensitization

No data available

Specific Target Organ Toxicity - Single Exposure

No data available

Specific Target Organ Toxicity - Repeated Exposure

No data available

Aspiration Hazard

No data available

Acute Toxicity

No data available.

SECTION 12 – ECOLOGICAL INFORMATION

Toxicity

No data available

Persistence and Degradability

No data available.

Bio-Accumulative Potential

No data available.

Mobility in Soil

No data available.

Other Adverse Effects

No data available

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal

Under RCRA, it is the responsibility of the user of the product, to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state, and local laws.

Empty containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

SECTION 14 – TRANSPORT INFORMATION

US DOT Information

UN Number UN1760
Proper Shipping Name: Compound, Cleaning, Liquid (disodium trioxosilicate, pentahydrate)
Hazard Class 8
Packaging Group: III

IMDG Information

UN Number UN1760
Proper Shipping Name: Compound, Cleaning, Liquid (disodium trioxosilicate, pentahydrate)
Hazard Class 8
Packaging Group: III

IATA Information

UN Number UN1760
Proper Shipping Name: Compound, Cleaning, Liquid (disodium trioxosilicate, pentahydrate)
Hazard Class 8
Packaging Group: III

SECTION 15 – REGULATORY INFORMATION

CAS	CHEMICAL NAME	% BY WEIGHT	REGULATION LIST
0006834-92-0	Sodium Metasilicate	2 - 5	SARA 312, TSCA

SECTION 16 – OTHER INFORMATION

ACGIH- American Conference of Governmental Industrial Hygienists; ANSI- American National Standards Institute; Canadian TDG- Canadian Transportation of Dangerous Goods; CAS- Chemical Abstract Service; Chemtrec- Chemical Transportation Emergency Center(US); CHIP- Chemical Hazard Information and Packaging; DSL- Domestic Substances List; EC- Equivalent Concentration; EH40 (UK)- HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA- Emergency Planning and Community Right-To-Know Act; ESL- Effects screening levels; HMIS- Hazardous Material Information Service; LC- Lethal Concentration; LD- Lethal Dose; NFPA- National Fire Protection Association; OEL- Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL- Permissible Exposure Limit; SARA (Title III)- Superfund Amendments and Reauthorization Act; SARA 313- Superfund Amendments and Reauthorization Act, Section 313; SCBA- Self-Contained Breathing Apparatus; STEL- Short Term Exposure Limit; TCEQ- Texas Commission on Environmental Quality; TLV- Threshold Limit Value; TSCA- Toxic Substances Control Act Public Law 94-469; TWA- Time Weighted Value; US DOT- US Department of Transportation; WHMIS- Workplace Hazardous Materials Information System.

HMIS

Caution: HMIS ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks and 4 representing significant hazards or risks.

DISCLAIMER

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