

SAFETY DATA SHEET

GHS FORMAT

IKONICS®

Date issued : 11/29/2022

SDS number : 653

Date revised : 12/13/2022

Revision number : 2

GHOST BUSTER

1. Identification

Product identifier: GHOST BUSTER**Product description:** Haze Remover**Active ingredient(s):** Potassium Hydroxide**Manufacturer / Supplier**

IKONICS

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2. Hazard identification

Classification of the substance or mixture**Health hazards:**

Acute Toxicity (Oral), Category 4

Skin Corrosion, Category 1

Label elements

Corrosion

Exclamation
mark**Signal word:** DANGER**Hazard statement(s)**

H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

Precautionary statement(s)**Prevention:**

P264: Wash skin thoroughly after handling.

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

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

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

Response:

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.

P310: Immediately call a POISON CENTER/doctor/physician.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage:

P405: Store locked up.

Disposal:

P501: Dispose of contents/container in accordance to federal/state/local regulations.

3. Composition/information on ingredients

Chemical name	% w/w	CAS No.	Classification according to Regulation (EC) No 1272/2008 [CLP]
Potassium Hydroxide	20 - 50	1310-58-3	Not classified
Tetrahydrofurfuryl alcohol	5 - 20	97-99-4	H319; H227
Alkyl Polyglycoside	1 - 5	68515-73-1	Not classified

4. First-aid measures

Eye: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin: Wash off with soap and plenty of water. Consult a physician.

Ingestion: Do not induce vomiting to prevent aspiration into the lungs. Give victim a glass of water. Get medical attention immediately. Never give anything by mouth to an unconscious person.

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

5. Fire-fighting measures

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Hazardous combustion products: Not Available

Fire fighting equipment: Wear self contained breathing apparatus for fire fighting if necessary.

Hazardous decomposition products: Not Available

6. Accidental release measures

Small spill: Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal. Clean surface thoroughly to remove residual contamination.

Large spill: Wear suitable protective equipment. Contain spill. Soak up with absorbent material and transfer to a container for disposal according to local/state/federal regulations.

Comments: Never return spills to original containers for re-use.

7. Handling and storage

Precautions for safe handling: Avoid contact with eyes, skin, and clothing. Avoid inhalation of vapors. Wash thoroughly after handling.

Conditions for safe storage: Keep only in original container. Keep container closed. Store containers in a cool, well-ventilated place. Avoid contact with eyes, skin, and clothing. Avoid breathing mist. Wash thoroughly after handling.

Shelf life: 24 months

8. Exposure controls/personal protection

Exposure controls

Chemical name	Control parameters		
	Occupational exposure limit values		
	Type	ppm	mg/m ³
Potassium Hydroxide	OSHA PEL	TWA	2 mg/m ³
Tetrahydrofurfuryl alcohol	ACGIH TLV	TWA	0.5

Appropriate engineering controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Individual protection measures, such as personal protective equipment

Eye / face protection: Safety glasses. Use equipment for eye protection tested and approved under appropriate government

standards such as NIOSH (US).

Skin protection - hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US).

Skin protection - other: Wear gloves, coveralls, apron, boots as necessary to avoid contact.

Occupational hygiene practices: Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when handling this material: (1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics areas with this material stored. (2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the restrooms. (3) Wash exposed skin promptly to remove accidental splashes of contact with this material.

9. Physical and chemical properties

Chemical name	Flash Point (°C)	Boiling Point (°C)	Freezing Point (°C)	Auto Ignition (°C)	Solubility in Water	Specific Gravity
Tetrahydrofurfuryl alcohol	165.2	352	-80	282	Soluble	1.053

Physical state: Semi-gel

Color: Colorless

Odor: Slight

pH: 14

Melting point: Not Available

Freezing point: Not Available

Initial boiling point and boiling range: Not Available

Flash point: Not Available

Evaporation rate (n-butyl acetate = 1): Not Available

Explosion limit / flammability limit notes: Not Available

Vapor pressure: Not Available

Relative vapor density: Not Available

Relative density: 1.346

Solubility: Soluble

Auto-ignition temperature: Not Available

Decomposition temperature: Not Available

Viscosity: Not Available

Pour point: Not Available

Percent volatiles: Not Available

VOC content: 139 g/L

10. Stability and reactivity

Reactivity: Yes

Chemical stability: Stable under recommended storage conditions.

Conditions to avoid: Not Available

Hazardous decomposition products: Not Available

Incompatible materials: Not Available

11. Toxicological information

Acute toxicity

Chemical name	LD ₅₀ (oral) mg/kg(rat)	LD ₅₀ (dermal) mg/kg(rabbit)
Potassium Hydroxide	~ 607 mg/kg [Rat]	
Tetrahydrofurfuryl alcohol	1600 mg/kg [Rat]	5000 mg/kg [Rabbit]
Alkyl Polyglycoside	> 3000 mg/kg [Rat]	> 5000 mg/kg [Rabbit]

Acute dermal toxicity LD₅₀: Not yet Determined

Acute oral toxicity LD₅₀: Not yet Determined

Acute inhalation toxicity LC₅₀: Not yet Determined

Carcinogenicity

Chemical name	NTP	IARC	OSHA
Potassium Hydroxide	Not Listed	Not Listed	Not Listed
Tetrahydrofurfuryl alcohol	Not Listed	Not Listed	Not Listed

IARC: Not Listed

NTP: Not Listed

OSHA: Not Listed

12. Ecological information**Aquatic toxicity, both acute and chronic**

Notes: CAS # 112-34-5: Toxicity to fish LC50 - Bluegill (*Lepomis macrochirus*) 1300 mg/l, 96 hrs ; CAS # 1310-58-3 Toxicity to fish LC50 - Western mosquitofish (*Gambusia affinis*) 80 mg/l, 96 hrs

Environmental data: No specific data are available for this product. Handle it according to good working practices.

13. Disposal considerations

Disposal methods: Dispose of in accordance with all current local, state and federal regulations.

Comments: Disposal must be performed through an authorized waste management firm, in compliance with national, state and local regulations. Do not contaminate soil, sewers and waterways.

14. Transport information**USA Department of Transport Regulations (DOT)**

UN proper shipping name: Corrosive Liquid, Basic, Organic, n.o.s., (potassium hydroxide)

UN number: UN3267

Transport hazard class(es): 8

Packing group, if applicable: III

Hazard label:

**ICAO / IATA - air**

UN proper shipping name: Corrosive Liquid, Basic, Organic, n.o.s., (potassium hydroxide)

UN number: UN3267

Transport hazard class(es): 8

Packing group, if applicable: III

**Hazard label:****Note:** Passenger air max: 5L

Packages may not exceed 30kg gross weight

15. Regulatory information**UNITED STATES****SARA Section 311/312 Hazard Categories****311/312 Health hazards:** ACUTE HEALTH HAZARD, CHRONIC HEALTH HAZARD,**CERCLA Hazardous Substances and Reportable Quantities (RQ)**

Chemical name	% w/w	CERCLA rq
Potassium Hydroxide	20 - 50	1,000

TSCA (The Toxic Substances Control Act)

Chemical name	CAS No.
Potassium Hydroxide	1310-58-3
Tetrahydrofurfuryl alcohol	97-99-4
Alkyl Polyglycoside	68515-73-1

TSCA regulatory: All components of this product are listed on the TSCA Inventory.**Regulations**

State regulations: CAS # 97-99-4: Massachusetts Hazardous Substance, New Jersey RTK Hazardous Substance, Pennsylvania Hazardous Substance, CAS # 1310-58-3 Potassium Hydroxide: CA Hazardous Substance, Delaware Air Quality Management, Idaho Air Pollutant, Massachusetts Hazardous Substance, New York Hazardous Substance, Pennsylvania Hazardous Substance, Washington PELs for Air Contaminants, Wisconsin Hazardous Air Contaminant

CANADA**WHMIS Hazard Symbol and Classification**

Corrosive



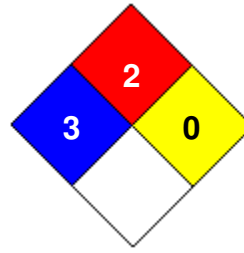
Toxic

WHMIS Regulatory Status: Controlled Product**WHMIS Classification:** D, E**Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL):** All components of this product are listed on the Domestic Substances List.**16. Other information****Approved by:** Troy Bergstedt **Title:** Director of Chemical Research**Prepared by:** Troy Bergstedt **Date revised:** 12/13/2022**Information contact:** Troy Bergstedt**Revision summary:** This SDS replaces the 11/29/2022 SDS. Revised: **Section 2:** Classification of the substance or mixture, Label elements, Precautionary statement(s).

HMIS rating

Health		3
Flammability		2
Physical hazard		0
Personal protection		C

NFPA codes



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