



SAFETY DATA SHEET

Section 1: Identification

Product Name: pH Up

Chemical Name/Synonyms: Potassium hydroxide, caustic potash

Company:

DISTRIBUTOR INFORMATION:

Remix Chem, LLC
2202 S Figueroa St. #528
Los Angeles, CA 90007
www.remixchem.com

CHEMTREC EMERGENCY INFORMATION:
For Hazardous Materials [or Dangerous Goods] Incident
Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC 24 Hours
1-800-262-8200 / +1 703-741-5500
CCN: 1002199

Section 2: Hazard(s) Identification

Hazard Classification:

Skin Corrosion/Irritation	Category 1A
Corrosive to metals	Category 1
Serious Eye Damage/Eye Irritation	Category 1
Acute toxicity, oral	Category 4
Hazardous to the aquatic Environment, Acute Toxicity	Category 3

Signal Word(s): Danger

Pictograms:



Hazard Statements:

H290 May be corrosive to metals
H302 Harmful if swallowed



- H314 Causes severe skin burns and eye damage
- H318 Causes serious eye damage
- H402 Harmful to aquatic life

Precautionary Statements:

- P234 Keep only in original container.
- P260 Do not breathe dust/fume/gas/mist/vapours/spray.
- P264 Wash hands/exposed skin thoroughly after handling.
- P270 Do not eat, drink or smoke while using this product.
- P273 Avoid release to the environment.
- P280 Wash goggles/gloves/other PPE thoroughly after handling.
- P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
- P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P362 Take off contaminated clothing and wash before reuse.
- P390 Absorb spillage to prevent material damage.
- P405 Store locked up.
- P406 Store in a corrosive resistant container with a resistant inner liner.
- P501 Dispose of contents/container to an approved waste disposal plant.

Description of other hazards:

Section 3: Composition/ Information on Ingredients

Chemical Name	Synonym	CAS#	Conc.
Potassium hydroxide	Caustic Potash	1310-58-3	35-50%

Section 4: First-Aid Measures

After skin contact: Take off immediately contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Rinse skin with lukewarm, gently flowing

After eye contact:

water/shower with a flushing duration of 60 minutes. Immediately call POISON CENTER/doctor. Wash contaminated clothing before re-use. 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 60 minutes. Take care not to rinse contaminated water into the unaffected eye or into the face. Immediately call a POISON CENTER/doctor. Continue rinsing until medical aid is available.

After inhalation:

Get medical advice if you feel unwell or are concerned.

After swallowing:

Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. If vomiting occurs naturally, lie on your side, in the recovery position.

Section 5: Fire-Fighting Measures

Suitable extinguishing agents:

Water spray, Foam carbon dioxide (CO₂), Dry powder,

Unsuitable extinguishing agents:

None known

Special hazards arising from the substance:

Hot or molten material can react violently with water. Can react with certain metals, such as aluminum, to generate flammable Hydrogen gas.

Hazardous Combustion Products:

May cause fire and explosions when in contact with incompatible materials.

Special protective equipment for firefighters:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus.

NFPA

Health: 3

Flammability: 0

Instability: 2 1 3 . 9 9 0 . 3 4 8 3

Physical Hazards: Alkaline

Section 6: Accidental Release Measures

Personal precautions:

Ensure adequate ventilation. Especially in confined areas. Do not breathe vapors, aerosols. Avoid substance contact. Keep away from heat and ignition sources. Evacuate the danger areas. Wear protective gloves/protective clothing and eye/face protective gear when handling.

Measures for environmental protection:

Prevent product from entering drains.

Measures for cleaning/collecting:

Residues from spills can be diluted with water, neutralized with

dilute acid and collected with dry earth, sand or other non-combustible material and disposed of in an appropriate container. Observe possible material restrictions see (Section 7 and 10).

Section 7: Handling and Storage

Handling: Wear at least chemical resistant gloves and eye protection, face shield, and chemical resistant garments when handling, moving or using this product. Do not contaminate water, food, or feed by storage or disposal.

Storage: Keep product in tightly closed container when not in use. Do not drop, roll, or skid drum. Store in a cool, dry, well-ventilated area away from heat or open flame.

Incompatible Materials: Avoid strong oxidizing agents, soft metals, acids, and heat.

Section 8: Exposure Controls/Personal Protection

General protective and hygienic measures: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use. Handle in accordance with good industry hygiene and safety practice.

Breathing equipment: Not a respiratory irritant unless dealing with a mist form, then wear appropriate NIOSH respirator.

Skin and Body Protection: Wear chemical resistant gloves and chemical resistant garments when handling, wash garments before re-use.

Eye protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses and or face shield.

Control of environmental exposure: Do not allow to enter drains/surface water

Section 9: Physical and Chemical Properties

Form: Liquid

Color: Clear

Odor: Odorless

Odor threshold: No data available

pH: >12

Melting point/melting range: No information available

Boiling point/boiling range: 143°C (289.4°F)

Flash point: N/A

Evaporation rate: N/A

Flammability (solid,gas): N/A

Upper/lower flammability

or explosive limits:	N/A
Auto ignition temperature:	N/A
Vapor pressure:	No data available
Vapor density:	No data available
Relative density:	1.46 g/mL at 25 °C
Solubility in/Miscibility with water:	Miscible
Partition Coefficient n/octanol-water	N/A

Section 10: Stability and Reactivity

Reactivity:	Reactive with oxidizing agents, reducing agents, metals, acids and alkalis.
Chemical stability:	This product is chemically stable under ambient conditions.
Possibility of Hazardous Reactions:	Reactive with oxidizing agents, reducing agents, metals, acids and alkalis.
Conditions to avoid:	Incompatible materials
Incompatible materials:	Avoid acids or strong oxidizers when using or storing this product.
Hazardous decomposition products:	Oxygen which supports combustion

Section 11: Toxicological Information

Potential routes of exposure/potential health effects	
Oral LD50:	See below
Dermal LD50:	Based on ATE data, the classification criteria are not met. ATE > 2000 mg/kg
Vapor LC50:	Based on ATE data, the classification criteria are not met. ATE > 20 mg

Component	LD50 (Oral)	LD50 (Dermal)	LD50 (Inhalation)
Potassium hydroxide	546 mg/kg (rat)	No information available	No information available

Toxicologically Synergistic Products:	No data available
Skin:	Corrosive! Contact with skin causes irritation or severe burns and scarring with greater exposures.
Eye:	Corrosive! Causes irritation of eyes, and with greater exposures, it can cause burns that may result in permanent impairment of vision, even blindness.
Inhalation:	Inhalation of the mist may produce severe irritation of respiratory tract, characterized by coughing, choking, shortness of breath, headaches, dizziness, nausea, weakness and/or drowsiness.
Ingestion:	Corrosive! Swallowing causes severe burns of mouth, throat, and stomach. Severe scarring of tissue, corrosion, permanent tissue destruction and death may result. Symptoms may include severe pain, nausea, vomiting, diarrhea, shock, hemorrhaging

<p>Carcinogenicity:</p> <p>Mutagenicity:</p> <p>Reproductive Effects:</p> <p>Specific target organ effects:</p>	<p>and/or fall in blood pressure. Damage may appear days after exposure.</p> <p>No components are listed as carcinogens by ACGIH, IARC, OSHA, or NTP.</p> <p>Not known to have mutagenic effects in humans or animals.</p> <p>No known reproductive effects in humans or animals.</p> <p>No information available</p>
Section 12: Ecological Information (non-mandatory)	
<p>Ecotoxicity: May be harmful to aquatic environment</p> <p>Persistence and degradability: Not expected to persist, readily biodegradable</p>	
<p>Bioaccumulation potential: Not expected to bioaccumulate</p>	
Section 13: Disposal Considerations (non-mandatory)	
<p>Disposal of Waste:</p> <p>RCRA:</p>	<p>Disposal should be in accordance with applicable, regional, national and local laws and regulations. Contact a licensed professional waste disposal service to dispose of this material.</p> <p>If product becomes a waste, it does meet the criteria of a hazardous waste as defined by the US EPA, because of: Corrosivity D002</p>
Section 14: Transport Information (non-mandatory)	
<p>DOT:</p> <ul style="list-style-type: none"> ● UN/ID No: 1814 ● PSN: Potassium Hydroxide Solution ● Packaging group: II ● ADR/RID class: 8 <p>Air transport ICAO-TI and IATA-DGR:</p> <ul style="list-style-type: none"> ● UN/ID No: 1814 ● PSN: Potassium Hydroxide Solution ● Packaging Group: II ● ICAO/IATA Class: 8 <p>IMDG</p> <ul style="list-style-type: none"> ● UN/ID No: 1814 ● PSN: Potassium Hydroxide Solution ● Packaging Group: II ● IMDG Class: 8 	
Section 15: Regulatory Information (non-mandatory)	



US Federal Regulations

SARA Section 355 (extremely hazardous substances):

Section 355 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the act and Title 40 of the Code of Federal Regulations, Part 372

SARA Section 313 (specific toxic chemical listings):

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories:

Acute health hazard	Yes
Chronic health hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive hazard	No

CWA:

This product as supplied does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA:

Potassium Hydroxide has a RQ of 1000 pounds of pure chemical.

California Proposition 65:

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm

International Information:

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA): Potassium hydroxide is on the Domestic Substances List (DSL).

Section 16: Other Information

SDS date of preparation: 8/17/2021

SDS date of update: 2/6/2023



The above information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Remix Chemical and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.

