



1. PRODUCT AND COMPANY IDENTIFICATION

1.1. Product Identifiers

Product Name: Alkaline Pre-treatment Reagent

Product Number: PN002571

REACH No.: N/A

CAS-No.: N/A

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Laboratory reagent

1.3. Details of the supplier of the safety data sheet

Company: Associates of Cape Cod, Inc.
124 Bernard E St Jean Drive
East Falmouth, MA 02536
USA

Telephone: +1 888-395-2221
+1 508-540-3444

1.4. Emergency Telephone Number

Emergency Phone # (800) 424-9300 Chemtrec® Domestic North America
(703) 527-3887 Chemtrec® International

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

2.2. GHS Label elements, including precautionary statements

Pictogram	
Signal	Danger

Hazard Statement(s): H314 - Causes severe skin burns and eye damage

2.3. Hazards not otherwise classified (HNOC) or not covered by



3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Formula: KOH
Molecular Weight: 56.1056
CAS-No.: 1310-58-3
EC-No.: 215-181-3

Component	Classification	Concentration
Name: Potassium hydroxide	Corrosive	>/=0.5-<1

4. FIRST AID MEASURES

Description of First Aid Measures

General Advice

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If Inhaled

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

In Case of Skin Contact

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

In Case of Eye Contact

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

If Swallowed

Never give anything by mouth to an unconscious person. Consult a physician.

Indication of any immediate medical attention and special treatment needed

5. FIREFIGHTING MEASURES

5.1. Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2. Special Hazards Arising from the Substance or Mixture

Thermal decomposition can lead to release of irritating gases and vapors.

5.3. Advice for Firefighters

Wear self-contained breathing apparatus for fire-fighting if necessary.

5.4. Further Information



6. ACCIDENTAL RELEASE MEASURES

- 6.1. Personal precautions, protective equipment and emergency procedures
Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.
- 6.2. Environmental precautions
Do not let product enter drains.
- 6.3. Methods and materials for containment and cleaning up
Prevent further leakage or spillage if safe to do so
- 6.4. Reference to other sections
For disposal see section 13.

7. HANDLING AND STORAGE

- 7.1. Precautions for safe handling
Wear personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist
- 7.2. Conditions for safe storage, including any incompatibilities
Keep containers tightly closed in a dry, cool and well-ventilated place.
- 7.3. Specific end use(s)
No information available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1. Control parameters

Components with workplace control parameters

Exposure controls
No information available

Appropriate engineering controls

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

Personal protective equipment

Personal protection equipment should be chosen according to the CEN standards

Eye/face protection



Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Wash and dry hands.

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Control of environmental exposure

Do not let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

- a) Appearance: Colorless Form: Liquid
- b) Odor: No data available
- c) Odor Threshold:
- d) pH: 12.7
- e) Melting point/freezing point: No data available
- f) Initial boiling point and boiling range: No data available
- g) Flash point: No data available
- h) Evaporation rate: No data available
- i) Flammability (solid, gas) : No data available
- j) Upper/lower flammability or explosive limits: No data available
- k) Vapor pressure: No data available
- l) Vapor density: No data available
- m) Relative density: 1.01 @ 20°C
- n) Water solubility: No data available
- o) Partition coefficient: n-octanol/water: No data available



- p) Auto-ignition temperature: No data available
- q) Decomposition temperature: No data available
- r) Viscosity: No data available
- s) Explosive properties: No data available
- t) Oxidizing properties: No data available

9.2. Other safety information

No data available

10. STABILITY AND REACTIVITY

10.1. Reactivity: No data available

Chemical stability: Stable under normal conditions

Possibility of hazardous reactions: No data available

Conditions to avoid: Incompatible products

Incompatible materials: Acids, alcohols, aldehydes, ketones

Hazardous decomposition products: None known based on information supplied

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Inhalation: There is no data available for this product. Vapors may irritate throat and respiratory system. Inhaled corrosive substances can lead to a toxic edema of the lungs.

Dermal:

Skin corrosion/irritation: Causes severe skin burns. There is no information available for this product. May cause serious skin burns or irritation based on the pH.

Serious eye damage/eye irritation: There is no data available for this product. May cause serious eye damage or irritation based on the pH.

Respiratory or skin sensitization: Vapors may irritate throat and respiratory system. Inhaled corrosive substances can lead to a toxic edema of the lungs

Germ cell mutagenicity: No data available



Carcinogenicity: Contains no ingredients above reportable quantities listed as a carcinogen.

IARC: No information available.

ACGIH: No information available.

NTP: No information available.

OSHA: No information available.

Reproductive toxicity: No information available.

Specific target organ toxicity - single exposure: No information available

Specific target organ toxicity - repeated exposure: Burning, Erythema (skin redness), contact with eyes may cause discomfort or pain with marked redness and swelling of the conjunctiva. Difficulty in breathing.

Aspiration hazard: No information available

Additional Information: No information available

RTECS:

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

12.1. Toxicity: The environmental impact of this product has not been fully investigated.

12.2. Persistence and degradability:

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Potassium hydroxide		LC50 96 h: = 80 mg/L static		

12.3. Mobility in soil: Absorbs on soil

12.4. Results of PBT and vPvB assessment: No information available

12.5. Other adverse effects: This product does not contain any known endocrine disruptors

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging

Dispose of as unused product



14. TRANSPORT INFORMATION

DOT (US): UN1814, Potassium hydroxide solution, 8, III

IMDG: UN 1814

IATA: UN1814, Potassium hydroxide solution, 8, III

15. REGULATORY INFORMATION

REACH No.: No data available

SARA 302 Components: Potassium hydroxide

SARA 313 Components: Potassium hydroxide

SARA 311/312 Hazards: Potassium hydroxide

Massachusetts Right to Know Components: Potassium hydroxide

Pennsylvania Right to Know Components: Potassium hydroxide

CAS-No.:
1310-58-3

Revision Date

New Jersey Right to Know Components: Potassium hydroxide

CAS-No.
1310-58-3

Revision Date

California Prop. 65 Components: No information available

16. OTHER INFORMATION

HMIS Rating:

Health hazard: 3

Chronic Health Hazard:

Flammability: 0

Physical Hazard: 0

NFPA Rating

Health hazard: 3

Fire Hazard: 0

Reactivity Hazard: 1

SAFETY DATA SHEET

Version 01
Revision 10-Oct-2017



Further information

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Preparation Information

Associates of Cape Cod, Inc.

Version: 01

SDS Alkaline Pre-treatment Reagent