

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

Incompatible Materials Strong acids/oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACIHIH TLV	OSHA PEL	NIOSH IDLH
Potassium Hydroxide 1310-58-3	2 mg/m3 C	2 mg/m3	2 mg/m3
EDTA 64-02-8	No data available	No data available	No data available
TKPP 7320-34-5	10 mg/m3 inhalable dust 3 mg/m3 respirable dust	15mg/m3 dust 5mg/m3 nuisance dust	No data available
Surfactant 26027-38-3	No data available	No data available	No data available

Recommended monitoring procedures: If this product contains ingredients with exposure limits, personal, workplace atmosphere or other biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

Appropriate Engineering Controls: Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and the using the bathroom and at the end of the working periods.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection Avoid contact with eyes. Wear safety eyewear.

Skin and Body Protection Wear suitable protective clothing. Use impervious gloves.

Respiratory Protection Not required with expected use. Ensure adequate ventilation, especially in confined areas.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Liquid	Odor	Characteristic
Appearance	Green Liquid	Odor Threshold	Not determined
Color	Green		

Property

Values

pH	14
Melting Point/Freezing Point	Not determined
Boiling Point/Boiling Range	212 Deg F
Flash Point	n/a (tcp)
Evaporation Rate	(H2O=1) =1
Flammability (Solid, Gas)	n/a-liquid
Upper Flammability Limits	UEL=n/a
Lower Flammability Limits	LEL=n/a
Vapor Pressure	20@68F
Vapor Density	Not determined

Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or doctor.
Ingestion	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms Direct contact with eyes causes serious damage. Substance causes serious skin burns.

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

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

Unsuitable Extinguishing Media

None

Specific Hazards Arising from the Chemical

Dried product is capable of burning. Combustion products are toxic.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions Use personal protective equipment as required. Isolate area. Keep unnecessary personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.

Methods and Material for Containment and Cleaning Up

Methods for Containment For small spills, absorb on poly-pads or other suitable non-reactive absorbent material. Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Sweep up and shovel into suitable containers for disposal. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling

Handle in accordance with good industrial hygiene and safety practice. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protection recommended in Section 8. Use only in well-ventilated areas. Do not breathe vapors or spray mist.

Conditions for Safe Storage, Including any Incompatibilities

Hazard Statements

CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.
CAUSES SERIOUS EYE DAMAGE.

Precautionary Statements-Prevention

Wash face, hands and any exposed skin thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
Do not breathe dusts or mists.

Precautionary Statements – Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
Wash contaminated clothing before reuse.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Immediately call a poison center or doctor.

Precautionary Statements – Storage

Store locked up.

Precautionary Statements – Disposal

Dispose of contents/container in accordance with local, regional and national regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Water	7732-18-5	75-100
Potassium Hydroxide	1310-58-3	10-15
EDTA	64-02-8	1-5
TKPP	7320-34-5	1-5
Surfactant	26027-38-3	1-5

The balance of the chemicals in this mixture are either considered nonhazardous or are below the listing limits for hazardous substances. These chemicals are considered trade secrets. The specific identity of these chemicals is available to health professionals.

4. FIRST AID MEASURES

First Aid Measures

Eye Contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor.

Skin Contact

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water (or shower). Wash contaminated clothing before reuse. Immediately call a poison center or doctor.

SAFETY DATA SHEET

Issue Date 12-2-2014

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Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Spare

Other Means of Identification

SDS # 1034

Product Code 1034

Recommended Use of the Chemical and Restrictions on Use

Recommended Use

Cleaner degreaser

Details of the Supplier of the Safety Data Sheet

Supplier Address

Environmental Chemical Company
PO Box 20110
Canton, OH 44702

Emergency Telephone Number

Company Phone Number 1-330-453-5200
Emergency Telephone 1-800-535-5053

2. HAZARDS IDENTIFICATION

GHS Classification

Skin Corrosion/Irritation: Category 1B

Eye Damage/Irritation: Category 1

Signal Word
DANGER

Symbols



Emergency Overview:

Physical State: Liquid

Color: Green

Odor: Characteristic

OSHA/HCS status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).