SAFETY DATA SHEET

M31866 - NA - EN

CAUSTIC POTASH LIQUID (ALL GRADES)

SDS No.: M31866  SDS Revision Date: 26-Aug-2014  Rev. Num. 42

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Company Identification: Occidental Chemical Corporation
5005 LBJ Freeway
P.O. Box 809050
Dallas, TX 75380-9050
1-800-752-5151

Manufacturing Address: Occidental Chemical Corporation 266 Highway 3142 Taft, LA 70057-2608

24 Hour Emergency Telephone Number:
1-800-733-3665 or 1-972-404-3228 (U.S.)
CHEMTREC (U.S.): 1-800-424-9300
International CHEMTREC (outside U.S.): +1 703-527-3887

To Request an SDS: MSDS@oxy.com or 1-972-404-3245

Customer Service: 1-800-752-5151 or 1-972-404-3700

Product Identifier: CAUSTIC POTASH LIQUID (ALL GRADES)

Trade Name: Caustic Potash Membrane Dilute Solution 45%, 48%, 50%; Caustic Potash Liquid (10-40% Solution)

Synonyms: KOH, liquid potash, Potassium Hydroxide

Product Use: Glass Production, Cleaner, Process cleaner, Petroleum Industry

Uses Advised Against: None identified.

2. HAZARDS IDENTIFICATION

Print date: 26-Aug-2014
OSHA REGULATORY STATUS: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

EMERGENCY OVERVIEW:

Color: Colorless
Physical state: Liquid
Appearance: Clear
Odor: Odorless
Signal Word: DANGER

MAJOR HEALTH HAZARDS: CORROSIVE. INGESTION HAZARD. HEALTH HAZARD. CAUSES SEVERE SKIN BURNS AND SERIOUS EYE DAMAGE. TOXIC IF SWALLOWED. MAY CAUSE DAMAGE TO GASTROINTESTINAL TRACT AND RESPIRATORY SYSTEM.

PHYSICAL HAZARDS: MAY BE CORROSIVE TO METALS. Mixing with water, acid or incompatible materials may cause splattering and release of heat. Do not store in aluminum container or use aluminum fittings or transfer lines, as flammable hydrogen gas may be generated.

ECOLOGICAL HAZARDS: This material has exhibited moderate toxicity to aquatic organisms.

PRECAUTIONARY STATEMENTS: Do not get in eyes, on skin, or on clothing. Do not breathe vapor or mist. Keep container tightly closed. Wash thoroughly after handling. Use with adequate ventilation.

ADDITIONAL HAZARD INFORMATION: Toxicity may be delayed, and may not be readily visible. Significant exposures must be referred for medical attention immediately. There is no specific antidote.

GHS CLASSIFICATION:

<table>
<thead>
<tr>
<th>GHS: PHYSICAL HAZARDS:</th>
<th>Corrosive to Metals</th>
</tr>
</thead>
<tbody>
<tr>
<td>GHS: CONTACT HAZARD - SKIN:</td>
<td>Category 1B - Causes severe skin burns and eye damage</td>
</tr>
<tr>
<td>GHS: CONTACT HAZARD - EYE:</td>
<td>Category 1 - Causes serious eye damage</td>
</tr>
<tr>
<td>GHS: ACUTE TOXICITY - ORAL:</td>
<td>Category 3 - Toxic if swallowed</td>
</tr>
<tr>
<td>GHS: TARGET ORGAN TOXICITY (SINGLE EXPOSURE):</td>
<td>Category 1 - Causes damage to: Gastrointestinal System, Respiratory System</td>
</tr>
<tr>
<td>GHS: CARCINOGENICITY:</td>
<td>This product is not classified as a carcinogen by NTP, IARC or OSHA.</td>
</tr>
<tr>
<td>GHS: HAZARDOUS TO AQUATIC ENVIRONMENT - ACUTE HAZARD:</td>
<td>Category 3 - Harmful to aquatic life</td>
</tr>
</tbody>
</table>

UNKNOWN ACUTE TOXICITY:
Not applicable. This product is a substance, and this information is only applicable to mixtures.
CAUSTIC POTASH LIQUID (ALL GRADES)

GHS SYMBOL:
Corrosion, Skull and Crossbones, Health hazards

GHS SIGNAL WORD: DANGER

GHS HAZARD STATEMENTS:

GHS - Physical Hazard Statement(s)
May be corrosive to metals

GHS - Health Hazard Statement(s)
Causes severe skin burns and eye damage
Causes serious eye damage
Toxic if swallowed
Causes damage to organs (Gastrointestinal System and Respiratory System)

GHS - Precautionary Statement(s) - Prevention
Keep only in original container
Wash thoroughly after handling
Do not breathe dust, fume, gas, mist, vapors, or spray
Do not eat, drink or smoke when using this product
Wear protective gloves/protective clothing/eye protection/face protection

GHS - Precautionary Statement(s) - Response
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower
Wash contaminated clothing before reuse
IF INHALED: Remove person to fresh air and keep comfortable for breathing
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/physician
Specific treatment (see First Aid information on product label and/or Section 4 of the SDS)
Absorb spillage to prevent material damage

GHS - Precautionary Statement(s) - Storage
Store in corrosive resistant and NON-ALUMINUM container with a resistant inner liner (NOTE: flammable hydrogen gas may be generated if aluminum container and/or aluminum fittings are used)
Store locked up

GHS - Precautionary Statement(s) - Disposal
Dispose of contents and container in accordance with applicable local, regional, national, and/or international regulations
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Hazards Not Otherwise Classified (HNOC)
None identified

See Section 11: TOXICOLOGICAL INFORMATION

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms: KOH, liquid potash, Potassium Hydroxide

<table>
<thead>
<tr>
<th>Component</th>
<th>Percent [%]</th>
<th>CAS Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>49 - 90</td>
<td>7732-18-5</td>
</tr>
<tr>
<td>Potassium hydroxide</td>
<td>10 - 51</td>
<td>1310-58-3</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

INHALATION: If inhalation of mists, vapors, or spray occurs and adverse effects result, remove to uncontaminated area. Evaluate ABC’s (is Airway constricted, is Breathing occurring, and is blood Circulating) and treat symptomatically. GET MEDICAL ATTENTION IMMEDIATELY.

SKIN CONTACT: Immediately flush contaminated areas with water. Remove contaminated clothing, jewelry and shoes. Wash contaminated areas with large amounts of water. GET MEDICAL ATTENTION IMMEDIATELY. Thoroughly clean and dry contaminated clothing before reuse. Discard contaminated leather goods.

EYE CONTACT: Immediately flush contaminated eyes with a directed stream of water for as long as possible. Remove contact lenses, if present, then continue rinsing. GET MEDICAL ATTENTION IMMEDIATELY.

INGESTION: If swallowed, do not induce vomiting. Give large amounts of water. If vomiting occurs spontaneously, keep airway clear. Give more water when vomiting stops. Never give anything by mouth to an unconscious or convulsive person. GET MEDICAL ATTENTION IMMEDIATELY.

Most Important Symptoms/Effects (Acute and Delayed) Corrosive. This material may be corrosive to any tissue it comes in contact with. It can cause serious burns and extensive tissue destruction resulting in: liquefaction, necrosis, and/or perforation.

Acute Symptoms/Effects: Listed below
Inhalation (Breathing): Respiratory System Effects: Exposure to airborne material may cause irritation, redness of upper and lower airways, coughing, laryngeal spasm and edema, shortness of breath, broncho-constriction, and possible pulmonary edema. Severe and permanent scarring may occur. Aspiration of this material may cause the same conditions.
Skin: Skin Corrosion: Exposure to skin may cause redness, itching, irritation, swelling, burns (first, second, or third degree), liquefaction of skin, and damage to underlying tissues (deep and painful wounds).
Eye: Serious Eye Damage: Eye exposures may cause eye lid burns, conjunctivitis, corneal edema, corneal burn, corneal perforation, damage to internal contents of the eye, permanent visual defects, and blindness and/or loss of the eye.
Ingestion (Swallowing): Gastrointestinal System Effects: Exposure by ingestion may cause irritation, swelling, and perforation of upper and lower gastrointestinal tissues. Permanent scarring may occur.

Delayed Symptoms/Effects:
- Repeated or prolonged exposures to skin that cause irritation may cause a chronic dermatitis

Medical Conditions Aggravated by Exposure: Corrosive. May aggravate pre-existing eye, skin, and respiratory conditions (including asthma and other breathing disorders).

Protection of First-Aiders: Protect yourself by avoiding contact with this material. Use personal protective equipment. Refer to Section 8 for specific personal protective equipment recommendations. Avoid contact with skin and eyes. Do not ingest. Do not breathe vapors or spray mist. At minimum, treating personnel should utilize PPE sufficient for prevention of bloodborne pathogen transmission.

Notes to Physician: The absence of visible signs or symptoms of burns does NOT reliably exclude the presence of actual tissue damage. Probable mucosal damage may contraindicate the use of gastric lavage. There is no specific antidote.

5. FIRE-FIGHTING MEASURES

Fire Hazard: Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes. May react with chemically reactive metals such as aluminum, zinc, magnesium, copper, etc. to release hydrogen gas which can form explosive mixtures in air.

Extinguishing Media: Use extinguishing agents appropriate for surrounding fire.

Fire Fighting: Move container from fire area if it can be done without risk. Cool containers with water. Do not apply water directly on this product. Heat is generated when mixed with water. Wear NIOSH approved positive-pressure self-contained breathing apparatus operated in pressure demand mode. Avoid contact with skin.

Sensitivity to Mechanical Impact: Not sensitive.

Sensitivity to Static Discharge: Not sensitive.

Lower Flammability Level (air): Not applicable

Upper Flammability Level (air): Not applicable

Flash point: Not flammable

Auto-ignition Temperature: Not determined

GHS: PHYSICAL HAZARDS:
- Corrosive to Metals

6. ACCIDENTAL RELEASE MEASURES
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Personal Precautions:
Avoid contact with skin, eyes and clothing. Wear appropriate personal protective equipment recommended in Section 8, Exposure Controls / Personal Protection, of the SDS.

Methods and Materials for Containment and Cleaning Up:
In case of spill or leak, stop the leak as soon as possible. Small and large spills: Contain spilled material if possible. Completely contain spilled materials with dikes, sandbags, etc. After containment, collect the spilled material and transfer to a chemical waste area. Liquid material may be removed with a vacuum truck. Neutralize residue with dilute acid and follow with a liberal covering of sodium bicarbonate or other acceptable drying agent. See Section 13, Disposal considerations, for additional information.

Environmental Precautions:
Keep out of water supplies and sewers. This material is alkaline and may raise the pH of surface waters with low buffering capacity. Releases should be reported, if required, to appropriate agencies.

7. HANDLING AND STORAGE

Precautions for Safe Handling:
Avoid breathing vapor or mist. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. When mixing, slowly add to water to minimize heat generation and spattering.

Safe Storage Conditions:
Store and handle in accordance with all current regulations and standards. Keep container tightly closed and properly labeled. Do not store in aluminum container or use aluminum fittings or transfer lines, as flammable hydrogen gas may be generated. Keep separated from incompatible substances (see below or Section 10 of the Safety Data Sheet).

Incompatibilities/ Materials to Avoid:
Flammable liquids, acids, halogenated compounds, water, Prolonged contact with aluminum, brass, bronze, copper, lead, tin, zinc or other alkali sensitive metals or alloys

GHS: PHYSICAL HAZARDS:
- Corrosive to Metals

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Regulatory Exposure Limit(s): None.

OEL: Occupational Exposure Limit; OSHA: United States Occupational Safety and Health Administration; PEL: Permissible Exposure Limit; TWA: Time Weighted Average; STEL: Short Term Exposure Limit

NON-REGULATORY EXPOSURE LIMIT(S): As listed below.
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- The Non-Regulatory United States Occupational Safety and Health Administration (OSHA) limits, if shown, are the Vacated 1989 PEL’s (vacated by 58 FR 35338, June 30, 1993).

- The American Conference of Governmental Industrial Hygienists (ACGIH) is a voluntary organization of professional industrial hygiene personnel in government or educational institutions in the United States. The ACGIH develops and publishes recommended occupational exposure limits each year called Threshold Limit Values (TLVs) for hundreds of chemicals, physical agents, and biological exposure indices.

ENGINEERING CONTROLS: Provide local exhaust ventilation where dust or mist may be generated. Ensure compliance with applicable exposure limits.

PERSONAL PROTECTIVE EQUIPMENT:

Eye Protection: Wear chemical safety goggles with a face-shield to protect against eye and skin contact when appropriate. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

Skin and Body Protection: Wear protective clothing to minimize skin contact. When potential for contact with wet material exists, wear Tychem® or similar chemical protective suit. When potential for contact with dry material exists, wear disposable coveralls suitable for dust exposure, such as Tyvek®. Always place pants legs over boots. Thoroughly clean and dry contaminated clothing before reuse. Discard contaminated leather goods.

Hand Protection: Wear appropriate chemical resistant gloves. Consult a glove supplier for assistance in selecting an appropriate chemical resistant glove.

Protective Material Types: Butyl rubber, Natural rubber, Nitrile, Polyvinyl chloride (PVC), Tychem®, Tyvek®

Respiratory Protection: A NIOSH approved respirator with N95 dust/mist filter (1/2 facepiece) or N100 dust/mist filter (full facepiece) cartridges may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits, or when symptoms have been observed that are indicative of overexposure. If eye irritation occurs, a full face style mask should be used. A respiratory protection program that meets 29 CFR 1910.134 must be followed whenever workplace conditions warrant use of a respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance:</td>
<td>Clear</td>
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<tr>
<td>Color:</td>
<td>Colorless</td>
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<tr>
<td>Odor:</td>
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<td>Odor Threshold [ppm]:</td>
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<td>Molecular Formula:</td>
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<tr>
<td>Boiling Point/Range:</td>
<td>216 to 289 °F (102 to 143 ºC)</td>
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<tr>
<td>Freezing Point/Range:</td>
<td>-85 to 39 °F (-65 to 4 ºC)</td>
</tr>
<tr>
<td>Vapor Pressure:</td>
<td>4 mmHg @ 77°F (25°C) 50% solution</td>
</tr>
<tr>
<td></td>
<td>20 mmHg @ 77°F (25°C) 20% solution</td>
</tr>
<tr>
<td>Vapor Density (air=1):</td>
<td>No data available</td>
</tr>
</tbody>
</table>
CAUSTIC POTASH LIQUID (ALL GRADES)

Relative Density - Specific Gravity (water=1):
Density: 1.09 - 1.52 @ 15.6 °C
Water Solubility: 9.09 - 12.67 lbs/gal @ 15.6 °C
pH: 100%
VOC Content (%): 12 - 14
VOC Content (%): 0%
VOC Content (%): No data available
Evaporation Rate (ether=1): No data available
Partition Coefficient (n-octanol/water): Not applicable
Flash point: Not flammable
Flammability (solid, gas): Not flammable
Lower Flammability Level (air): Not applicable
Upper Flammability Level (air): Not applicable
Auto-ignition Temperature: Not determined
Viscosity: No data available

10. STABILITY AND REACTIVITY

Reactivity: Soluble in water, releasing heat sufficient to ignite combustibles. Reacts with acids, giving off heat.

Chemical Stability: Stable at normal temperatures and pressures.

Conditions to Avoid: Mixing with water, acid, or incompatible materials may cause splattering and release of large amounts of heat. Will react with some metals forming flammable hydrogen gas. Carbon monoxide gas may form upon contact with reducing sugars, food and beverage products in enclosed spaces.

Incompatibilities/ Materials to Avoid: Flammable liquids, acids, halogenated compounds, water, Prolonged contact with aluminum, brass, bronze, copper, lead, tin, zinc or other alkali sensitive metals or alloys

Hazardous Decomposition Products: None known

11. TOXICOLOGICAL INFORMATION

TOXICITY DATA:

PRODUCT TOXICITY DATA: CAUSTIC POTASH-LIQUID (ALL GRADES)

<table>
<thead>
<tr>
<th>LD50 Oral:</th>
<th>LD50 Dermal:</th>
<th>LC50 Inhalation:</th>
</tr>
</thead>
<tbody>
<tr>
<td>273 mg/kg oral-rat LD50</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
</tbody>
</table>

Print date: 26-Aug-2014
CAUSTIC POTASH LIQUID (ALL GRADES)

COMPONENT TOXICITY DATA:

<table>
<thead>
<tr>
<th>Component</th>
<th>LD50 Oral:</th>
<th>LD50 Dermal:</th>
<th>LC50 Inhalation:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water 7732-18-5</td>
<td>90 mL/kg (Rat)</td>
<td>-----</td>
<td>-----</td>
</tr>
<tr>
<td>Potassium hydroxide 1310-58-3</td>
<td>273 mg/kg (Rat)</td>
<td>-----</td>
<td>-----</td>
</tr>
</tbody>
</table>

POTENTIAL HEALTH EFFECTS:

**Eye contact:** Corrosive. Causes serious eye damage which can result in: severe irritation, pain and burns, and permanent damage including blindness.

**Skin contact:** Corrosive. Causes severe skin burns. Prolonged or repeat skin exposures can result in dermatitis.

**Inhalation:** Toxic if inhaled. Corrosive. May cause severe irritation of the respiratory tract with coughing, choking, pain and possibly burns of the mucous membranes. This material can be extremely destructive to the tissue of the mucus membranes and respiratory system.

**Ingestion:** Toxic if swallowed. Corrosive. May cause severe mucus membrane burns and gastrointestinal burns. If swallowed, may pose a lung aspiration hazard during vomiting. Lung aspiration may result in chemical pneumonitis, pulmonary edema, and damage to lung tissue or death.

**Chronic Effects:** Repeated or prolonged skin contact may result in dermatitis.

SIGNS AND SYMPTOMS OF EXPOSURE:
This material may cause severe burns and permanent damage to any tissue with which it comes into contact. Signs and symptoms of exposure vary, and are dependent on the route of exposure, degree of exposure, and duration of exposure. Aspirating this material may cause signs and symptoms that are similar to those experienced as a result of breathing or inhaling this material.

**Inhalation (Breathing):** Respiratory System Effects: Exposure to airborne material may cause irritation, redness of upper and lower airways, coughing, laryngeal spasm and edema, shortness of breath, bronchio-constriction, and possible pulmonary edema. Severe and permanent scarring may occur. Aspiration of this material may cause the same conditions.

**Skin:** Skin Corrosion: Exposure to skin may cause redness, itching, irritation, swelling, burns (first, second, or third degree), liquefaction of skin, and damage to underlying tissues (deep and painful wounds).

**Eye:** Serious Eye Damage: Eye exposures may cause eye lid burns, conjunctivitis, corneal edema, corneal burn, corneal perforation, damage to internal contents of the eye, permanent visual defects, and blindness and/or loss of the eye.

**Ingestion (Swallowing):** Gastrointestinal System Effects: Exposure by ingestion may cause irritation, swelling, and perforation of upper and lower gastrointestinal tissues. Permanent scarring may occur.
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ACUTE TOXICITY:
When in solution, this material will affect all tissues with which it comes in contact. The severity of the tissue damage is a function of its concentration, the length of tissue contact time, and local tissue conditions. After exposure there may be a time delay before irritation and other effects occur. This material is a strong irritant and is corrosive to the skin, eyes, and mucous membranes. This material may cause severe burns and permanent damage to any tissue with which it comes into contact.

CHRONIC TOXICITY:
Repeated and prolonged skin contact may result in dermatitis.

GHS HEALTH HAZARDS:
Listed below

GHS: ACUTE TOXICITY - ORAL: Category 3 - Toxic if swallowed
Skin Absorbent / Dermal Route? No.

GHS: CONTACT HAZARD - SKIN: Category 1B - Causes severe skin burns and eye damage

GHS: CONTACT HAZARD - EYE: Category 1 - Causes serious eye damage

GHS: CARCINOGENICITY: This product is not classified as a carcinogen by NTP, IARC or OSHA

12. ECOLOGICAL INFORMATION

ECOTOXICITY DATA:

Aquatic Toxicity:
This material is alkaline and may raise the pH of surface waters with low buffering capacity. This material has exhibited moderate toxicity to aquatic organisms.

Freshwater Fish Toxicity:
LC50 (Mosquito fish): 80 mg/L/96 hr (static bioassay in fresh water at 18-19 C)
LC50 (Fathead Minnow): 179 mg/L/96 hr (static at 22.3-24.7 C)

Invertebrate Toxicity:
EC50 (Daphnia magna): 60 mg/L/48 hr (static bioassay at 20.3-20.7 C)

Algae Toxicity:
ErC50 (Selenastrum capricornutum): 61 mg/L/96 hr (static bioassay at 23-23.9 C)

FATE AND TRANSPORT:
CAUSTIC POTASH LIQUID (ALL GRADES)

BIODEGRADATION: This material will disassociate into ionic form in the aquatic environment. Natural carbon dioxide will slowly neutralize this material.

BIOCONCENTRATION: This material will not bioconcentrate.

ADDITIONAL ECOLOGICAL INFORMATION: This material has exhibited slight toxicity to terrestrial organisms.

13. DISPOSAL CONSIDERATIONS

Waste from material:
Reuse or reprocess, if possible. May be subject to disposal regulations. Dispose of in accordance with all applicable regulations.

Container Management:
Dispose of container in accordance with applicable local, regional, national, and/or international regulations. Container rinsate must be disposed of in compliance with applicable regulations.

14. TRANSPORT INFORMATION

U.S. DOT 49 CFR 172.101:

UN NUMBER: UN1814
PROPER SHIPPING NAME: Potassium hydroxide, solution
HAZARD CLASS/ DIVISION: 8
PACKING GROUP: II
LABELING REQUIREMENTS: 8
RQ (lbs): RQ 1,000 Lbs. (Potassium hydroxide)

CANADIAN TRANSPORTATION OF DANGEROUS GOODS:

UN NUMBER: UN1814
SHIPPING NAME: Potassium hydroxide, solution
CLASS OR DIVISION: 8
PACKING/RISK GROUP: II
LABELING REQUIREMENTS: 8

15. REGULATORY INFORMATION

U.S. REGULATIONS

Print date: 26-Aug-2014
OSHA REGULATORY STATUS:
This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4):
If a release is reportable under CERCLA section 103, notify the state emergency response commission and local emergency planning committee. In addition, notify the National Response Center at (800) 424-8802 or (202) 426-2675.

<table>
<thead>
<tr>
<th>Component</th>
<th>CERCLA Reportable Quantities:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium hydroxide</td>
<td>1000 lb (final RQ)</td>
</tr>
</tbody>
</table>

SARA EHS Chemical (40 CFR 355.30)
Not regulated

EPCRA SECTIONS 311/312 HAZARD CATEGORIES (40 CFR 370.10):
Acute Health Hazard

EPCRA SECTION 313 (40 CFR 372.65):
Not regulated.

OSHA PROCESS SAFETY (PSM) (29 CFR 1910.119):
Not regulated

FDA: This material has Generally Recognized as Safe (GRAS) status under specific FDA regulations. Additional information is available from the Code of Federal Regulations which is accessible on the FDA's website. This product is not produced under all current Good Manufacturing Practices (cGMP) requirements as defined by the Food and Drug Administration (FDA).

NATIONAL INVENTORY STATUS

U.S. INVENTORY STATUS: Toxic Substance Control Act (TSCA): All components are listed or exempt.

TSCA 12(b): This product is not subject to export notification.

Canadian Chemical Inventory: All components of this product are listed on either the DSL or the NDSL.

STATE REGULATIONS

<table>
<thead>
<tr>
<th>Component</th>
<th>California Proposition 65 Cancer WARNING:</th>
<th>California Proposition 65 CRT List - Male reproductive toxin:</th>
<th>California Proposition 65 CRT List - Female reproductive toxin:</th>
<th>Massachusetts Right to Know Hazardous Substance List</th>
<th>New Jersey Right to Know Hazardous Substance List</th>
<th>New Jersey Special Health Hazards Substance List</th>
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<tbody>
<tr>
<td>Potassium hydroxide 1310-58-3</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>Listed</td>
<td>1571</td>
<td>corrosive</td>
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</table>

<table>
<thead>
<tr>
<th>Component</th>
<th>New Jersey - Environmental Hazardous Substance List</th>
<th>Pennsylvania Right to Know Hazardous Substance List</th>
<th>Pennsylvania Right to Know Special Hazardous Substances</th>
<th>Pennsylvania Right to Know Environmental Hazard List</th>
<th>Rhode Island Right to Know Hazardous Substance List</th>
</tr>
</thead>
</table>
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Potassium hydroxide 1310-58-3 Not Listed Listed Not Listed Present Listed

Canadian Regulations
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

WHMIS - Classifications of Substances:
• D1B - Poisonous and Infectious Material; Materials causing immediate and serious toxic effects - Toxic material
• E - Corrosive material

16. Other Information

Prepared by: OxyChem Corporate HESS - Product Stewardship
Rev. Date: 26-Aug-2014

HMIS: (SCALE 0-4) (Rated using National Paint & Coatings Association HMIS: Rating Instructions, 2nd Edition)
Health Rating: 3 Flammability Rating: 0 Reactivity Rating: 0

NFPA 704 - Hazard Identification Ratings (SCALE 0-4)
Health Rating: 3 Flammability: 0 Reactivity Rating: 1

Reason for Revision:
• Three year review
• Updated the (M)SDS header
• Changed the SDS format to meet the GHS requirements of the revised 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)
• Updated First Aid Measures: SEE SECTION 4
• Modified Fire Fighting Measure Recommendations: SEE SECTION 5
• Revised Handling and Storage Recommendations: SEE SECTION 7
• Revised Accidental Release Measures: SEE SECTION 6
• Stability and Reactivity recommendations: SEE SECTION 10
• Toxicological Information has been revised: SEE SECTION 11
• Updated Disposal Considerations. SEE SECTION 13
• Revised Preparer Information: SEE SECTION 16
• Added SDS Revision Date: SEE SECTION 16
• Added "End of Safety Data Sheet" phrase

Print date: 26-Aug-2014
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End of Safety Data Sheet