

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: LP Challenger
Common Name: LP Challenger
SDS Number: LP Challenger
Revision Date: 3/24/2014
Version: 1
Chemical Family: Alkaline
Supplier Details: Lily Products of Michigan, Inc.
2070 Calvin Ave., SE
Grand Rapids, MI 49507

Contact: Emergency - Chemtrec - 1-800-424-9300
Phone: 616-245-9193
Fax: 616-245-0520
Web: www.lilyproducts.com

2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

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

Health, Acute toxicity, 4 Oral
Health, Acute toxicity, 4 Dermal
Health, Serious Eye Damage/Eye Irritation, 1
Health, Acute toxicity, 4 Inhalation

GHS Label elements, including precautionary statements

GHS Signal Word: DANGER

GHS Hazard Pictograms:



GHS Hazard Statements:

H302 - Harmful if swallowed
H312 - Harmful in contact with skin
H318 - Causes serious eye damage
H332 - Harmful if inhaled

GHS Precautionary Statements:

P103 - Read label before use.
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
P262 - Do not get in eyes, on skin, or on clothing.
P281 - Use personal protective equipment as required.

Hazards not otherwise classified (HNOC) or not covered by GHS

Route of Entry: Eyes; Skin;

Inhalation: Mist and spray can cause irritation and inflammation of the respiratory tract.

Skin Contact: May cause moderate to severe irritation.

Eye Contact: May cause irritation and burns.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas#	%	Chemical Name
1310-58-3	1-3%	Potassium hydroxide (K(OH))

4 FIRST AID MEASURES

Inhalation: If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.

Skin Contact: Remove contaminated clothing immediately. Promptly flush skin with water until all chemical is removed. Get medical attention if symptoms develop. Wash Contaminated clothing before reuse.

Eye Contact: Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation. Get medical attention if symptoms develop or persist..

Ingestion: Do not induce vomiting unless directed to do so by medical personnel. If conscious, drink large quantities of water or acidic beverages like tomato or orange juice. If vomiting does occur administer additional fluid. Never give anything by mouth to a victim who is unconscious or is convulsing. Get medical attention immediately.

5 FIRE FIGHTING MEASURES

Flammability: Not Flammable

Flash Point: N/A

Use extinguishing media as surrounding fire dictates

6 ACCIDENTAL RELEASE MEASURES

Containment Procedures

Small spills can be neutralized with dilute acid and flushed to a sanitary sewer.

Large spills should be contained, blocking any routes to water systems. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps. Unrecoverable residue should be treated in the same manner as a small spill.

Clean-Up Procedures

Wear appropriate protective equipment and clothing during clean-up.

Evacuation Procedures

Isolate area. Keep unnecessary personnel away.

7 HANDLING AND STORAGE

Handling Precautions: Avoid breathing vapors or mist. Avoid contact with eyes, skin, or clothing.

Storage Requirements: Store in cool/dry area away from acidic materials.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Provide adequate local exhaust ventilation to maintain worker exposure below exposure

**Personal Protective
Equipment:**

limits.
HMIS PP, B | Safety Glasses, Gloves

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	clear liquid	Odor:	mild/sweet
Odor Threshold:	N/A	Solubility:	complete in water
Spec Grav./Density:	1.035	Freezing/Melting Pt.:	N/A
Viscosity:	N/A	Flash Point:	N/A
Boiling Point:	214 deg F	Vapor Density:	N/A
Partition Coefficient:	N/A	Auto-Ignition Temp:	N/A
Vapor Pressure:	12.8-13.2	UFL/LFL:	
pH:	1.0 (water = 1)		
Evap. Rate:	N/A		
Decomp Temp:			

10 STABILITY AND REACTIVITY

Chemical Stability:	Product is stable under normal conditions.
Conditions to Avoid:	None
Materials to Avoid:	Strong Acids
Hazardous Decomposition:	Not known.
Hazardous Polymerization:	Will not occur.

11 TOXICOLOGICAL INFORMATION

No information available

12 ECOLOGICAL INFORMATION

Because of the higher pH of this product, it is possible that there may be a certain amount of ecotoxicity upon exposure to aquatic organisms and aquatic systems.

No other information available

13 DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state and federal regulations.

14 TRANSPORT INFORMATION

Not regulated

15 REGULATORY INFORMATION

Component (CAS#) [%] - CODES

RQ(1000LBS), Potassium hydroxide (K(OH)) (1310-58-3) [1-3%] CERCLA, CSWHS, MASS, OSHAWAC, PA, TSCA, TXAIR

Regulatory CODE Descriptions

RQ = Reportable Quantity

CERCLA = Superfund clean up substance

CSWHS = Clean Water Act Hazardous substances

MASS = MA Massachusetts Hazardous Substances List

OSHA = OSHA workplace Air Contaminants

PA = PA Right-To-Know List of Hazardous Substances

TSCA = Toxic Substances Control Act

TXAIR = TX Air Contaminants with Health Effects Screening Level

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OTHER INFORMATION

HMIS III: Health = 1, Fire = 0, Physical Hazard = 0

HMIS PPE: B - Safety Glasses, Gloves

HMIS		
HEALTH	<input type="checkbox"/>	1
FLAMMABILITY		0
PHYSICAL HAZARD		0
PERSONAL PROTECTION		B

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