



MATERIAL SAFETY DATA SHEET

POTASSIUM HYDROXIDE PELLETS

PCN(s) : 90077

Publication Date 3/15/06

REV:E

1. SUPPLIER AND EMERGENCY INFORMATION

L&R Manufacturing Company
577 Elm Street, P.O. Box 607
Kearny, NJ 07032 - 0607 USA

Product Information
Call: 201-991-5330

Emergency Phone Numbers:
For emergencies involving a spill, leak,
fire or accident contact:
CHEMTREC - 800-424-9300
within the United States or 703-527-3887
for international collect calls

2. COMPOSITION/INFORMATION ON INGREDIENT

Component	CAS Number	Percentage
Potassium Hydroxide	1310 -58 - 3	85 - 100%

3. HAZARDS IDENTIFICATION

Physical appearance and odor: White pellets

A: Warning Statement:

Good industrial hygiene practices should be used when handling this material

Acute Eyes: Direct contact causes irritation, redness and possible tearing

Acute Skin: Prolonged or repeated contact causes redness, and drying of the skin.

Acute Inhalation: Breathing low concentrations of vapors or mists may cause irritation to the nose and drowsiness.

Acute Ingestion: Slightly toxic; ingestion of large quantities may cause drowsiness and loss of consciousness, cramps, pain, nausea, vomiting and diarrhea

B: POTENTIAL HEALTH EFFECTS

Chronic Effects: This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

4. FIRST AID MEASURES

Eye Exposure: Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek medical attention.

Skin Exposure: Wash thoroughly with water. If irritation or redness develops, seek medical attention.

Inhalation: If respiratory irritation or distress occurs, move victim to fresh air. Seek medical attention if respiratory irritation or distress continues.

Ingestion: Seek immediate medical attention. DO NOT INDUCE VOMITING. If conscious give large quantities of water.

MEDICAL CONDITIONS POSSIBLY AGGRAVATED BY EXPOSURE: Skin contact will cause irritation and burning.

5. FIRE FIGHTING MEASURES

FIRE HAZARD DATA:

FLASH POINT: N/A

METHOD USED: Tag Closed Cup

Flammability limits (vol/vol%) : Lower: No Data Upper: No Data

Extinguishing Media: Extinguish with dry chemical, CO₂, BC / ABC extinguisher.

Special Fire Fighting Procedures: Use water spray .

Unusual Fire and Explosion Hazards: N/A

Hazardous Decomposition Materials: (under fire conditions) Oxides of nitrogen and carbon.

6. ACCIDENTAL RELEASE MEASURES

Cleanup and Disposal of Spill: Biodegradable product. Sweep up and place material in a clean, dry container with a cover. Flush spill area with water.

Environmental and Regulatory Reporting: Not required

7. HANDLING AND STORAGE

Minimum/Maximum Storage Temperatures: Ambient room temperature.

HANDLING: AVOID CONTACT WITH SKIN, EYES OR CLOTHING

8. EXPOSURE CONTROL/PERSONAL PROTECTION

General: These recommendations provide general guidance for handling of this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. When developing safe handling procedures, do not overlook the need to clean and dispose of the material. Waste resulting from the use of this product should be handled in accordance with Section 13: Disposal Considerations.

Exposure Guidelines: Exposure limits are recommended worker breathing limits. The following limits apply to this material:

INGREDIENTS

Potassium Hydroxide

LIMITS

2 mg / m³ TLV / TWA

Respiratory Controls: For reasonable uses of this material, respiratory protection should not be necessary.

Eye/Face Protection: Safety glasses to protect from splashing.

Skin Protection: Rubber or plastic gloves to avoid drying and irritation to the skin.

Work Practice Control: Normal hygiene in the work area should be taken when working with or handling this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Appearance: White pellets

pH: N/E

Water Solubility: Soluble

Freezing Point Range: Not established

Vapor Pressure: 96 mm Hg

Percent volatile by volume: N/A

Odor: No odor

Specific Gravity: 2.04

Melting Point Range: Not applicable

Boiling Point : approx 148 ° F

Vapor Density: N/A

V.O.C. (calculated) : Virtually none

10. STABILITY AND REACTIVITY

Chemical Stability:

This material is stable under normal handling and storage conditions as described in Section 7.

Conditions to be avoided: Heat, open flame.

Materials/Chemicals to be avoided: Strong acids, strong oxidizing agents, aluminum.

Decomposition type: Thermal Oxides of carbon and nitrogen

Hazardous Polymerization: WILL NOT OCCUR

Avoid the following to inhibit hazardous polymerization: NOT APPLICABLE

11. TOXICOLOGICAL INFORMATION

Acute Eye Irritation: Causes severe irritation to eyes.

Acute Skin Irritation: May cause severe irritation or burns.

Acute Dermal Toxicity: Causes severe burning of mouth and stomach.

Acute Respiratory Irritation: Excessive inhalation of the dust is irritating and may be severely damaging to the respiratory tract.

Acute Inhalation Toxicity: No test data found for product.

Acute Oral Toxicity:

LD50(rat) = 273 mg/kg for Potasium Hydroxide

Chronic Toxicity: This product does not contain any substances that are considered by OSHA, NTP, IARC OR ACGIH to be a probable or suspected human carcinogens. No additional test data was found for this product.

12. ECOLOGICAL INFORMATION

Ecotoxicological Information: No data found.

13. DISPOSAL CONSIDERATIONS

This product can be disposed by flushing with water in sanitary sewer system where permitted by local, federal and state regulations.

14. TRANSPORTATION INFORMATION

For domestic ground shipments this product is classified ORM-D. For any other transportation the proper designation is POTASSIUM HYDROXIDE Class 8, UN 1813, Packing Group II. Do not stack cartons more than five high.

15. REGULATORY INFORMATION:

Inventory Issues: All components of this product are listed on the U.S. TSCA, Canadian DSL, European EINECS/ELINS chemical listings.

16. OTHER INFORMATION

National Fire Protection Association

Hazard Rating, NFPA

Health

3

Flammability

0

Reactivity

3

General

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MSDS CHANGES

DESCRIPTION OF CHANGE

REV

E

DATE

3/15/06

Reissued

Disclaimer: The information herein is given in good faith but no warranty expressed or implied is made

Prepared By: L&R Manufacturing Company

Date: 02/09/99

Product Name: **POTASSIUM HYDROXIDE PELLETS**