

# MATERIAL SAFETY DATA SHEET

Lubchem, Inc. 23609 W. Hardy Rd. Spring, TX 77373  
Telephone (281) 350-9600

## Section I - Product Identification

**Product Name:** Lubchem V-Clean  
**Product Type:** Valve Cleaner  
**Formula/CAS No.:** Complex Mixture

### NFPA CODES

Health	1
Flammability	0
Reactivity	0
Special	COR

## Section II - Hazardous Ingredients / Identity Information

Hazardous Ingredients	CAS Number	%	Exposure Limits
Sodium Hydroxide	CAS # 1310-73-2	8	2mg/m (ceiling)

## Section III - Physical / Chemical Characteristics

Boiling Point: >210 F  
Specific Gravity (H<sub>2</sub>O = 1): 0.987  
Vapor Pressure (mm Hg.): .006@20C  
Melting Point: N/A  
Vapor Density (Air =1): >1

Evaporation Rate (Butyl Acetate =1): >1  
Solubility in Water: Complete  
Appearance/Odor: Amber liquid,  
characteristic odor  
pH: 11 @ 1% Solution

## Section IV - Fire and Explosion Hazard Data

**Flash Point (PMCC)** >212F

**Extinguishing Media:** N/A

**Special Fire Fighting Procedures:** Use suitable extinguishing media to control surrounding fire.

**Unusual Fire and Explosion Hazards:** N/A

## Section V - Reactivity Data

**Stability:** Material is stable

**Conditions to Avoid:** N/D

**Incompatibility (materials to avoid):** Amphoteric metals (zinc, aluminum, copper and brass), bleaching agents, oxidizers, organic acids, organic nitrogen compounds,

**Hazardous Decomposition Products:** Fumes of metal oxides.

**Hazardous Polymerization:** Will not occur

## Section VI - Health Hazard Data

**Health Hazards (Chronic):** N/D

### **Signs and Symptoms of Over Exposure**

**Eyes:** Eye contact with product may cause severe irritation, burns, irreversible damage, and blindness.

**Inhalation:** Inhalation of mist may cause irritation, nausea, headache, and pain, decreased breathing capacity, tissue destruction.

**Ingestion:** may cause severe irritation, burns, tissue ulceration, and gastrointestinal damage. Skin: contact may cause burns, tissue destruction, skin damage, effects may be delayed.

**Medical Conditions Generally Aggravated by Exposure:** Over exposure may aggravate disorders of the blood circulatory system, lungs - respiratory system.

### **Emergency and First Aid Procedures:**

**Eyes:** Flush eyes with water for 15 minutes while lifting upper and lower eyelids and consult physician immediately.

**Inhalation:** Remove to fresh air, if not breathing give artificial respiration, if breathing is difficult give oxygen. Contact physician immediately.

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**Ingestion:** Do not induce vomiting. Rinse mouth with water. Dilute stomach contents by drinking large quantities of water. Do not induce vomiting, if vomiting occurs spontaneously keep head below hips to prevent breathing vomit into lungs. Call physician immediately.

**Skin:** Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing. Call a physician.

## **Section VII – Environmental Protection:**

**Steps To Be Taken In Case Material Is Released or Spilled:** Contain spill immediately. Prevent entering any waterway by diking. Absorb with inert absorbent material (sand, clay, dirt, absorbent). Large spills should be diked and picked up with vacuum pumps, shovels, buckets or other means and placed in suitable containers.

**Waste Disposal Method:** Comply with all governmental regulations.

## **Section VIII – Special Precautions:**

**Precautions To Be Taken In Handling and Storage:** Do not store containers in direct sunlight, keep containers away from excessive heat.

**Other Precautions:** Avoid contact with skin and eyes. Use good housekeeping practices and clean up spills promptly. Eye wash and safety shower should be in close proximity.

## **Section IX - Control Measures:**

**Respiratory Protection:** If exposure to mist may occur use a NIOSH respirator approved for your conditions of exposure.

**Ventilation - Local Exhaust:** Acceptable

**Eye Protection:** Chemical splash goggles with full-face shield recommended.

**Protective Gloves:** Rubber or neoprene.

**Other Protective Clothing or Equipment:** Chemical resistant clothing, rubber apron and rubber boots.

**Work / Hygienic Practices:** Safety shower and eye wash fountain.

## **Section X – Transportation Data**

**DOT Proper Shipping Name:** Corrosive Liquid, n.o.s. (contains Sodium Hydroxide), 8, UN1760, PG III

**Label Requirements:** Corrosive

## **Section XI – Regulatory Information**

All ingredients are listed on the TSCA inventory

The reportable quantity for sodium hydroxide is 1000 lbs. / 454 kgs

This document is prepared pursuant to the OSHA Hazard Communication Standard (29CFR1910.1200). The information herein is given in good faith, but no warranty, express or implied, is made. Consult Lubchem, Inc. For further information: 281-350-9600.

Abbreviations: N/A: Not Applicable N/D: Not Determined