

MATERIAL SAFETY DATA SHEET

Lubchem, Inc. 23609 W. Hardy Rd. Spring, TX 77373

Telephone (281) 350-9600

Rev July 27, 2009

NFPA CODES

Flammability	2
Reactivity	0
Health	1
Special	

Section I - Product Identification:

Product Name: Liquid Valve Flush

Product Type: Valve Flush

Chemical Name and Synonyms: N/A, Mixture Aromatic Hydrocarbon

Formula/CAS No.: Complex Mixture

Section II - Hazardous Ingredients / Identity Information:

Component	CAS Number	%	EXPOSURE LIMITS
Aromatic Hydrocarbon (Blend)	64742-91-2	100	TLV - 100 ppm total hydrocarbon
Naphthalene	91-20-3	<2	10 ppm ACGIH TWA 50mg/m3 OSHA PEL 79mg/m3 ACGIH STEL

Section III - Health Hazard Data

Carcinogens under OSHA, ACGIH, NTP, IARC: NDA

Signs and Symptoms of Overexposure: Eyes: Liquid and mist will irritate the eyes; Inhalation: Possible effects include headache, nasal and respiratory irritation, nausea, drowsiness, breathlessness, fatigue, central nervous system depression, convulsions, loss of consciousness; Ingestion: Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death; Skin: irritation, dermatitis.

Medical Conditions Generally Aggravated by Exposure: NDA

Section IV - Emergency and First Aid Procedures:

Eyes: Flush with water for at least 15 minutes.

Inhalation: Remove to fresh air and give oxygen if breathing is difficult. If difficulty persists, obtain medical attention.

Ingestion: If swallowed, give water or milk to drink and seek immediate medical attention. Never give anything by mouth to an unconscious person. Do not induce vomiting unless directed by medical personnel.

Skin: Promptly wash contacted area thoroughly with soap and water. If redness or irritation persists, seek medical attention. If spilled on clothing, remove and launder before reuse.

Section V - Fire and Explosion Hazard Data:

Flash Point (Method): 145°F (Tag Closed Cup)

Flammable Limits (% by volume in air): Lower: NDA Upper: NDA

Extinguishing Media: CO₂, Dry Chemical, Foam and water fog.

Special Fire Fighting Procedures: Fire fighters should wear self-contained breathing apparatus and full protective clothing. Use water spray to cool nearby containers and structures exposed to fire.

Unusual Fire and Explosion Hazards: This liquid is volatile and gives off invisible vapors. Either the liquid or vapor may settle in low areas or travel some distance along the ground or surface to ignition sources where they may ignite or explode.

Section VI - Accidental Release Measures:

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, dirt, clay, absorbent, etc.). Large spills should be diked and may be picked up by using explosion-proof vacuum pumps, shovels, buckets or other means and placed in drums or other suitable containers. Comply with all Federal, State and Local Laws.

Waste Disposal: Incinerate in approved system, use approved landfill, or dispose of in accordance with local, state, and federal regulations.

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Section VII – Handling and Storage:

Precautions To Be Taken In Handling and Storage: Keep away from heat, flames and sources of ignition and store in a cool well ventilated area. Keep containers sealed. Containers should be grounded before opening, dispensing, mixing, pouring, or emptying. If the container is warm, open bung slowly to release internal pressure.

Other Precautions: Avoid prolonged inhalation of vapors. Use good housekeeping practices and clean up spills, promptly. Eye wash and safety shower should be in close proximity.

Section VIII - Control Measures/Special Protection:

Respiratory Protection: Use approved respirator or air-supplied mask if working in an enclosed area or if vapor concentrations exceeds permissible exposure limit.

Ventilation Type Required: Natural ventilation should be provided. Provide adequate ventilation to hold vapor concentration below permissible limits.

Protective Clothing: Gloves: Synthetic or rubber gloves should be worn to avoid prolonged or repeated contact with the liquid. Eye Protection: Chemical safety goggles or face shield should be worn to avoid contact with the eyes.

Other Protective Clothing or Equipment: Impervious synthetic rubber boots and apron to prevent prolonged or repeated skin contact.

Section IX - Physical / Chemical Characteristics:

Boiling Point: 280-530 °F

Specific Gravity (H₂O = 1): .92 - .94 @15.6°C

Vapor Pressure (mm Hg.): 0.2-0.4 psi (Raid)

Melting Point: N/A

Vapor Density (Air =1): N/D

Evaporation Rate (Butyl Acetate =1): N/D

Solubility in Water: Insoluble

Appearance: Colorless Liquid

Odor: Very Strong Aromatic Odor

Pour Point: -70°F

Section X - Reactivity Data

Stability: Stable

Conditions to Avoid: NDA

Incompatibility (materials to avoid): May react with strong oxidizing agents, such as chlorates, nitrates, peroxides etc.

Hazardous Decomposition Products: N/A

Hazardous Polymerization: Will not occur

Section XI - Toxicological Information:

NA

Section XII - Ecological Information:

Non-hazardous

Section XIII - Disposal Consideration:

Disposal should be in accordance with Federal and State regulations

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Section XIV – Transportation Data:

US Department of Transportation Classification (49CFR)

Identification Number UN 1268

Proper Shipping Name Petroleum Distillates, N.O.S.

Class/Division Combustible Liquid

Package Group III

Contains Oil

Emergency Response Guide 128

Additional Information This material is not regulated under 49 CFR if in container of 119 gallon Capacity or less. This material is an "Oil" under 49 CFR Part 130 when transported in a container of 3500 gallon capacity or greater.

IMFG

This material is not classified as dangerous under IMDG regulations

IATA (Country variations may apply)

This material is not classified as dangerous under IATA regulations

Section XV - Regulatory Information

The ingredients of this material is subject to the report requirements of SARA Title III, Section 313.

All ingredients in this compound are on the TSCA inventory.

Section XVI - Other:

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; NDA: No Data Available