

LUBCHEM CORPORATION

Material Safety Data Sheet

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MSDS 번호 : AA00863-0000000543

LUBCHEM Valve 8063 B

1. IDENTIFICATION THE SUBSTANCE AND OF THE COMPANY

Lubchem Corporation TEL : (82-54)954-8500

1762, Songgok-ri, Dasan-myeon, Goryeong-gun, FAX : (82-54)954-0131

Gyeongsangbuk-do, Korea WebSite : <http://www.lubchem.co.kr>

MSDS No. :

Revision Date:

Generic Description: Organic grease

Physical Form: Grease

Color: Blue

Odor: Odorless

2. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

Acute Effects

Eye: Direct contact may temporary redness and discomfort.

Skin: No significant irritation expected from a single short-term exposure.

Inhalation: Irritates respiratory passages very slightly.

Oral: Low ingestion hazard in normal use.

Prolonged/Repeated Exposure Effects

Skin: Repeated or prolonged exposure may cause irritation.

Inhalation: No known applicable information.

Oral: Repeated ingestion or swallowing large amounts may injure internally.

Signs and Symptoms of Overexposure

No known applicable information.

Medical Conditions Aggravated by Exposure

No known applicable information.

The above listed potential effects of overexposure are based on actual data, results of studies performed upon similar compositions, component data and/or expert review of the products. Please refer to Section 11 for the detailed toxicology information.

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3. COMPOSITIONS/INFORMATION ON INGREDIENTS	
Castor oil	(CAS No : 8001-79-4) 50 - 70%
Polytetrafluoroethylene	(CAS No : 9002-84-0) 30 - 50%
Polyethylene	(CAS No : 68441-17-8) 5 - 15%
4. FIRST AID MEASURES	
Eye:	Immediately flush with water.
Skin:	No first aid should be needed.
Inhalation:	No first aid should be needed.
Oral:	Get medical attention.
Notes to Physician:	Treat according to person's condition specifies of exposure.
5. FIRE FIGHTING MEASURES	
Flash Point:	Not applicable.
Auto ignition Temperature:	Not determined.
Flammability Limits in Air:	Not determined.
Extinguishing Media:	On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide(CO2), dry chemical or water spray. Water can be used to cool fire exposed containers.
Fire Fighting Measures:	Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.
Unusual Fire Hazards:	None.
6. ACCIDENTAL RELEASE MEASURES	
Containment/Clean up:	Observe all personals protection equipment recommendations described in Sections 5 and 8. Wipe up or scrape up and contain for salvage or disposal. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbant or cleaning materials appropriately, since spontaneous heating may occur. Local, state and federal laws and regulations may apply to releases and disposal of this material,as well as those materials and items employed in the cleanup of releases
<p>Note: See Section 8 for personal protective Equipment for Spills.</p>	

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7. HANDLING AND STORAGE

Use with adequate ventilation. At temperatures above 482F/250C this material may produce highly toxic gaseous compounds such as hydrogen fluoride and perfluorohydrocarbons. Provide adequate ventilation or use the appropriate respiratory protection if the possibility of exceeding 482F/250C exists. Avoid contamination of tobacco products. Fluoropolymers on tobacco goods may cause adverse health effects by inhalation of the decomposition products. Employees should wash their hands and face before eating, drinking or using tobacco products. Avoid eye contact. Do not take internally.

Use reasonable care and store away from oxidizing materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Component Exposures Limits

There are no components with workplace exposure limits.

Engineering Controls

Local Ventilation: None should be needed.

General Ventilation: Recommended.

Personal Protective Equipment for Routine Handling

Eyes: Use proper protection - safety glasses as a minimum.

Skin: Washing at mealtime and end of shift is adequate.

Suitable Gloves: Avoid skin contact by implementing good industrial hygiene practices and procedures. and use gloves and/or protective clothing to further minimize the potential for skin contact. Consult with your glove and/or personnel protective equipment manufacturer for selection of appropriate compatible materials. for skin contact. Consult with your glove and/or personnel protective equipment manufacturer for selection of appropriate compatible materials.

Inhalation: No respiratory protection should be needed.

Suitable Respirator: None should be needed.

Personal Protective Equipment for Spills

Eyes: Use proper protection - safety glasses as a minimum.

Skin: Washing at mealtime and end of shift is adequate.

Inhalation/Suitable Respirator: No respiratory protection should be needed.

Respirator:

Precautionary Measures: Avoid eye contact. Do not take internally. Use reasonable care.

Comments: At temperatures above 482F/250°C this material may produce highly toxic gaseous compounds such as hydrogen fluoride and perfluorohydrocarbons. Provide adequate ventilation or use the appropriate respiratory protection if the possibility of exceeding 482F/250°C exists. Avoid contamination of tobacco

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products. Fluoropolymers on tobacco goods may cause adverse health effects by inhalation of the decomposition products. the possibility of exceeding 482F/250°C exists. Avoid contamination of tobacco products. Fluoropolymers on tobacco goods may cause adverse health effects by inhalation of the decomposition products. Employees should wash their hands and face before eating, drinking

Note: These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Grease

Color: Blue

Odor: Odorless

Specific Gravity@25. C: 1.25

Viscosity: Not determined.

Freezing/Melting Point: Not determined.

Boiling Point: Not determined.

Vapor Density: Not determined.

Vapor Pressure@25. C: Not determined.

Solubility in water: Not determined.

pH: Not determined.

Volatile Content: Not determined.

Flash Point: Not applicable.

Auto-ignition Temperature: Not determined.

Flammability Limits in Air: Not determined.

Note: The above information is not intended for use in preparing product specifications.

10. STABILITY AND REACTIVITY

Chemical Stability: Stable.

Hazardous: Hazardous polymerization will not occur.

Polymerization:

Conditions to Avoid: None.

Materials to Avoid: Oxidizing material can cause a reaction.

Hazardous Decomposition Products

Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Nitrogen oxides. Carbon oxides and traces of incompletely burned carbon compounds. Phosphorous oxides. Fluorine compounds. Metal oxides. Formaldehyde.

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11. TOXICOLOGICAL INFORMATION
<u>Component Toxicology Information</u> No known applicable information.
<u>Special Hazard Information on Components</u> No known applicable information.
12. ECOLOGICAL INFORMATION
<u>Environmental Fate and Distribution</u> Complete information is not yet available
<u>Environmental Effects</u> Complete information is not yet available
<u>Fate and Effects in Waste Water Treatment Plants</u> Complete information is not yet available
13. DISPOSAL CONSIDERATION
<u>RCRA Hazard Class</u> When a decision is made to discard this material, as received, is it classified as a hazardous waste? No. State or local laws may impose additional regulatory requirements regarding disposal. Call(82-54)954-8500, if additional information is required.
14. TRANSPORT INFORMATION
<u>DOT Road Shipment Information</u> Not subject to DOT.
<u>Ocean Shipment(IMDG)</u> Not subject to IMDG code.
<u>Air Shipment(IATA)</u> Not subject to IATA regulations. Call LUBCHEM Sales dept. (82-54)954-8500, if additional information is required.
15. REGULATORY INFORMATION
Regulation by law for industrial safety and health : Article 41. Other foreign regulations : none

16. OTHER INFORMATION

Prepared by: LUBCHEM KOREA Corporation

These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.