DUMONDE LIQUID GREASE

Approval Date: 09/26/2025
Supersedes Date: 06/01/2025

Safety Data Sheet

Section I. Chemical Product and Company Identification

Product Name/ Trade Name: **Dumonde Liquid Grease**

Product ID No.(s): **2022, 2031**

Supplier: **Dumonde Design Group, Inc.**
P.O. Box 3262
Kirkland , Washington, USA. 98083-3262

Synonym(s): **None**

Product Description: **Hydrocarbons**

Emergency Contacts

For Chemical Emergency, Spill, Leak, Fire, Exposure or Accident, Call:

North America: 206-755-1757

Non-Emergency Contacts

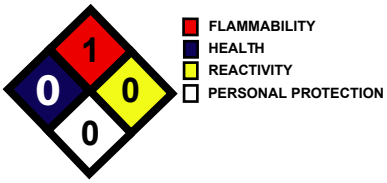
United States: HGNR, 503-545-0051
North America: 206-755-1757

Chemical Formula: **Mixture**

Material Uses: **Bicycle Lubricant**

Section II. Hazards Identification

Emergency Overview: Potential health risks vary from person to person. As a precaution, exposure to liquids, vapors, mists or fumes should be minimized.



Potential Health Effects:

Eye Contact: May cause slight irritation and redness.

Skin Contact: Prolonged or repeated skin contact may cause mild irritation.

IRRITATION

Ingestion: While this product has a low degree of toxicity, ingestion may cause irritation of the digestive tract.

Inhalation: Not expected to present an inhalation exposure risk at ambient temperatures. If vapors or mists are created upon heating or by mechanical means, vapors or mists may be produced which may cause irritation of the breathing passages. Aspiration may cause pulmonary edema or aspiration pneumonia.

HMIS Code Health: **0** Fire: **1** Physical Hazard: **0**

HAZARD RATINGS

0 Minimal Hazard
1 Slight Hazard
2 Moderate Hazard
3 Serious Hazard
4 Severe Hazard

Section III. Composition and Information on Ingredients

NAME	PEL/TLV, Source	CAS#	Concentration %	LVP-VOC/VOCs
Fatty Ester		**Proprietary**	**50-81**	**Exempt**
Polymer		**Proprietary**	**19-50**	**Exempt**

LC_{50}, LD_{50} of Ingredients **Not Available**

Section IV. First Aid Measures

Eye Contact Remove contact lenses, if wearing, and flush eyes with water. If irritation persists, consult a physician.

Skin Contact Remove clothing and shoes, if contaminated. Wash skin with soap and water. Wash or clean contaminated clothing before reuse and discard oil-soaked shoes. If irritation persists, consult a physician. If high pressure forces the product under the skin, get immediate medical attention!

Ingestion If swallowed, DO NOT induce vomiting. As a precaution, give the person a glass of water to drink and seek medical attention. Never give anything by mouth to an unconscious person. Consult a physician.

Inhalation If exposed to excessive levels of material in the air, move the exposed person to fresh air. Seek medical attention if coughing or respiratory discomfort occurs.

Section V. Fire and Explosion Data

Autoignition Temperature Not available

Flash Point $>225^{o}C$ $(437^{o}F)$

Sensitivity to Impact Not available

Sensitivity to Static Discharge Not available

Flammable Limits (Approx.) ***LOWER*** Flammable Limit: Not available ***UPPER*** Flammable Limit: Not available

Explosion Hazards See Lower and Upper Flammable Limits

Products of Combustion Carbon monoxide, carbon dioxide, and as irritating smoke vapors products of incomplete combustion.

Fire Fighting Media Instructions Dry chemical, alcohol foam, and carbon dioxide type extinguishing agents may all be suitable for extinguishing fires involving this type of product, depending on the size or potential size of fire and circumstances related to the situation. Plan fire protection and response strategy through consultation with local fire protection authorities or appropriate specialists. The following procedures for this type of product are based on the recommendations in the National Fire Protection Association's Fire Protection Guide on Hazardous Materials. Use water to keep fire-exposed containers cool. If a leak or spill has not ignited, use water spray to disperse the vapors and to provide protection for men attempting to stop a leak. Water spray may be used to flush spills away from explosives. Firefighters should wear full protective gear, including helmet. Use supplied-air breathing equipment for enclosed or confined spaces or as otherwise needed.

Special Remarks - Fire and Explosion Hazards For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus. Leaks/ruptures in high-pressure systems using materials of this type can create a fire hazard when in the vicinity of ignition sources (open flame, pilot lights, sparks or electric arcs).

Section VI. Accidental Release Measures

Release or Spill Remove sources of ignition. Recover free product. Add sand, earth, or other suitable absorbent material to the spill area. Minimize breathing vapors. Minimize skin contact. Open all windows and doors. Keep product out of sewers and watercourses by diking or impounding. Advise authorities if the product has entered or may enter sewers, watercourses, or extensive land areas.

Environmental Impact Report spills as required to the appropriate authorities. U.S Coast Guard Regulations require immediate reporting of spills that could reach any waterway including intermittent dry creeks. Report spill to the Coast Guard toll-free number 800-424-8802.

Section VII. Handling and Storage

Handling Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. "Empty" containers retain product residue and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition as they may explode and can cause injury or death. Empty container should be promptly returned to a drum reconditioner. Electrically bond and ground all containers and equipment.

Storage Do not use in high-pressure systems in the vicinity of flames, sparks, and hot surfaces. Keep container closed. Store in a cool, dry place. Do not store near heat, sparks, open flame, pilot lights, static electricity, or where temperature may exceed 120°F (49°C). Keep out of reach of children.

Continued on Next Page

Section VIII. Exposure Controls and Personal Protection

Respiratory Protection	Use respiratory protection if needed to keep airborne levels below recommended oil mist exposure limits.
Ventilation	Use in a well-ventilated area. See Engineering Controls.
Protective Gloves	Wear lined non-permeable rubber gloves.
Eye Protection	Chemical splash goggles or face shield in compliance with OSHA regulations are advised when eye contact may occur.
Personal Hygiene	Wash skin thoroughly after contact, before breaks and meals and at end of work period. Product is readily removed from skin by waterless hand cleaners followed by washing thoroughly with soap and water.
Engineering Controls	If user operations generate an oil mist, use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below the recommended oil mist exposure limits.
Exposure Limit	5 mg/m^3 (oil mist) OSHA, for total product; see Section II for component exposure limit(s).

Section IX. Physical and Chemical Properties

Appearance/Odor	Light Blue-colored with mild sweet odor	**Vapor Pressure**	Not available
		Vapor Density	Not available
Odor Threshold	Not available	**Percent Volatile**	<3%
Specific Gravity	Not available	**Evaporation Rate**	Not available
Density	Not available	**Viscosity**	Not available
Molecular Weight	Not available	**Solubility in Water**	2.5 to 7 percent
pH	Not available	**Coefficient of Water/Oil Distribution**	Not available
Boiling Point	> 310 C^o (590 F^o)	**Physical State**	Liquid
Freezing/Melting Point	Not available		

Section X. Stability and Reactivity Data

Stability	Stable under normal temperatures and pressures.
Conditions of Instability	Not available
Conditions of Reactivity	Not available
Conditions and Materials to Avoid	Avoid heat, open flames, strong acids, strong bases, and oxidizing materials.
Hazardous Polymerization	Hazardous polymerization will not occur.
Hazardous Decomposition Products	Carbon monoxide, carbon dioxide, oxides of nitrogen, smoke and irritating vapors as products of incomplete combustion.

Section XI. Toxicological Information

Routes of Entry	Dermal contact, eye contact, inhalation, ingestion.
Toxicity to Animals	Not available
Effects of Acute Exposure	Not available
Acute Effects of Sensitization	Not available
Ingestion	Not available
Inhalation	Not available
Toxically Synergistic Products	Not available

Chronic Effects on Humans:

Carcinogenic Effects	This product does not contain a carcinogen or potential carcinogen as listed by NTP, IARC, or OSHA [29 CFR 1910.1200(D)#4].
Mutagenic Effects	No data available to indicate any components present at greater than 0.1% may present a mutagenic hazard.

Continued on Next Page

Section XI. Toxicological Information (cont'd)

Teratogenic Effects	No data available to indicate any components present at greater than 0.1% may present a teratogenic hazard.
Reproductive Effects	No data available to indicate any components present at greater than 0.1% may present a reproductive hazard.

Section XII. Ecological Information

Ecotoxicity	There is no data available on the adverse effects of this material on the environment.

Section XIII. Disposal Considerations

Waste Disposal	Consult federal, state or local authorities for proper disposal and reporting procedures. All disposals must comply with federal, state and local regulations.

Section XIV. Transportation Information

LAND (DOT): Not Regulated for Land

LAND (TDG): Not Regulated for Land

SEA (IMDG): Not Regulated for Sea Transport according to IMDG-Code

AIR (IATA): Not Regulated for Air Transportation

Section XV. Regulatory Information

U.S. Federal Regulations:	
CERCLA	These materials are not subject to any speacial reporting under the requiremments of the Coprehensive Environmental Response, Compensation and Liability Act (CERCLA)
SARA (Section 313)	These materials are not subject to any speacial reporting under the requiremments of the SARA (section 313)
SARA Extremely Hazardous List	This product contains greater than 1.0% of the following chemical(s) on the SARA Extremely Hazardous Substances List: None
TSCA Inventory	All components of this material are on the U.S. TSCA Inventory.
California Prop. 65	This product contains the following chemical(s) known to the State of California to cause birth defects or other reproductive harm: None

International Regulations:	
Canada	All components are in compliance with the Canadian Environmental Protection Act. This product has been classified in accordance with the hazard criteria of the CPR and this MSDS contains all the information required by CPR.
Japan MITI	Not available
Australia	Not available
Switzerland	Not available

Section XVI. Other Information

Approval Date	**09/26/2025**
Supersedes Date	**06/01/2025**
Prepared by	Dumonde Design Group Inc 206-755-1757
Sections Revised Since Last Version	Sections II, III

Continued on Next Page

NOTICE

** **DUMONDE DESIGN GROUP INC. EXPRESSLY DISCLAIMS ALL EXPRESS OR IMPLIED WARRANTIES OF MECHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WITH RESPECT TO THE PRODUCT FOR INFORMATION PROVIDED HEREIN, AND SHALL UNDER NO CIRCUMSTANCES BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.** **

All information appearing herein is based upon data obtained from the manufacturers and/or recognized technical sources. While the information is believed to be accurate, Dumonde Design Group Inc. makes no representation as to its accuracy or sufficiency. Conditions of use are beyond Dumonde Design Group Inc. control and therefore users are responsible to verify this data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product, or from the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process.

**********END OF MSDS**********