

MATERIAL SAFETY DATA SHEET

DUMONDE DESIGN GROUP INC.

1. Chemical Product and Company Identification

Product NameDumonde Tech Low Odor Bicycle Chain Lubrication
Product NameDumonde Tech Liquid Grease
Product Description Fatty Ester, Polymers

Dumonde Design Group Inc.
P.O. Box 3262
Kirkland, Wash. 98083-3262

Emergency Telephone Numbers
Transportation:
CHEMTEC 1-800-424-9300
Information:
Dumonde Design Group Inc. 425-806-0948

2. Composition/Information on Ingredients

<u>Principle Components</u>	CAS #	Percentage by weight
Fatty Ester	Proprietary	81-50
Polymer	Proprietary	7-50

This product is hazardous as
DOT Hazard:
NOT REGULATED BY US DOT.

3. Hazards Identification

Emergency Overview:

Blue, Light Blue-Green, Yellow or Orange.
Slight pleasant odor.
Physical state: Liquid.

Effects of Single Overexposure:

Swallowing:

Practically non toxic
May cause irritation of the mouth and throat, abdominal discomfort, nausea, vomiting, and diarrhea.
Headache may occur.
Dizziness and drowsiness may occur.
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 Absorption:

Frequent or prolonged contact may irritate and cause Dermatitis.

Low order of toxicity.

Skin contact may aggravate an existing Dermatitis condition.

Inhalation:

High Vapor/Aerosol concentrations cause irritation to the eyes and respiratory tract, and may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death.

Eye Contact:

May cause mild discomfort.

Excess redness of conjunctiva may occur.

4. First Aid Measures

Swallowing:**DO NOT INDUCE VOMITING.**

Do not give anything to drink.

Obtain medical attention without delay.

Skin:

Remove contaminated clothing.

Wash skin with soap and water.

Obtain medical attention if irritation persists.

Wash clothing before re-use.

Inhalation:

Remove to fresh air.

Give artificial respiration if not breathing.

If breathing is difficult, qualified personnel may give oxygen.

Obtain medical attention.

Eyes:

Immediately flush eyes with water and continue washing for several minutes.

Obtain medical attention.

Note To Physician:

There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient. Any material aspirated during vomiting may cause lung injury. Therefore, emesis should not be induced mechanically or pharmacologically. If it is considered necessary to evacuate the stomach contents, this should be done by means least likely to cause aspiration (e. g., gastric lavage after endotracheal intubation).

5. Fire Fighting Measures

Flash Point: 330 Deg. F
Flammable limits: Not known

General Hazard:

Combustible liquid can form combustible mixtures at temperatures at or above the flash point.
"Empty" containers retain product residue (liquid and /or vapor) 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; they may explode and cause injury or death.
Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.

Fire Fighting:

Use Water spray to cool fire exposed surfaces and to protect personnel.
Isolate "fuel" supply from fire.
Use foam, dry chemical, or water spray to extinguish fire.
Avoid spraying water directly into storage containers due to danger of boil over.

6. Accidental Release Measures

Land spill:

Eliminate sources of ignition.
Prevent additional discharge of material, if possible to do so without hazard.
For small spills implement cleanup procedures.
For large spills implement cleanup procedures and, if in public area, keep public away and advise authorities.
Prevent liquid from entering sewers, watercourses, or low areas.
Contain spilled liquid with sand or earth.
Do not use combustible materials such as sawdust.
Recover by pumping (use an explosion proof or hand pump) or with a suitable absorbent.
Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

Water spill:

Remove from surface by skimming or with suitable absorbents.
If allowed by local authorities and environmental agencies, sinking and/or suitable dispersants may be used in non-confined waters.
Conform to local disposal regulations.

7. Storage and Handling

Handling:

No special precautions are necessary beyond normal good hygiene practices.
See section 8 for additional personal protection advice when handling this product.

Storage:

Do not store in an open or unlabelled container.
Store away from oxidizing agents or combustible materials.
Storage temperature, Deg. F: ambient
Loading/Unloading temperature, Deg. F: ambient

Storage and handling:

Keep container closed.
Handle and open containers with care.
Store in a cool, well-ventilated place away from incompatible materials.
Do not handle or store near and open flame, heat or other sources of ignition.
Protect material from direct sunlight.
Do not pressurize, cut, heat, or weld empty containers without first commercial cleaning or reconditioning.

8. Exposure controls/personal protection

Exposure controls:

The use of mechanical dilution ventilation is recommended whenever this product is used in a confined space, is heated above ambient temperatures, or is agitated.

Personal protection:

For open system where contact is likely, wear safety glasses with side shield, long sleeves, and chemical resistant gloves.
Where contact may occur, wear safety glasses with side shields.
Where concentrations in air may exceed the limits given in the section and engineering, work practice or other means of exposure reduction are not adequate, NIOSH/MSHA approved respirators may be necessary to prevent overexposure by inhalation.

9. Physical and Chemical Properties

Physical state	Liquid
Color	Blue-Green, Orange or Yellow
Odor	Pleasant odor
Specific gravity	Undetermined
Solubility in water	2.5 to 7 percent
pH	Undetermined
Vapor pressure	Undetermined
Vapor Density	Undetermined
Boiling point	Undetermined
Percent volatile	Undetermined

10. Stability and Reactivity

Stable

Conditions to avoid instability:

Extreme heat.

Hazardous polymerization:

Will not occur.

Conditions to avoid hazardous polymerization:

Not available.

Materials and conditions to avoid incompatibility:

Strong oxidizing agents.

Hazardous decomposition products:

None

11. Toxicological Information

Please call the non-emergency telephone number on page 1 if information is required.

12. Ecological Information

Please call the non-emergency telephone number on page 1 if information is required.

13. Disposal Considerations

Please refer to sections 5,6 and 15 for disposal and regulatory information.

14. Transportation Information

Department Of Transportation (DOT)

Not regulated by USA DOT.

RID/ADR:

Not regulated by RID/ADR.

15. Regulatory Information

Clean Water Act/ Oil Pollution Act:

This product is classified as an oil under section 311 of the Clean Water Act (40 CFR 110) and The Oil Pollution Act of 1990. Discharge or spills, which produce a visible sheen on either surface water, or in waterways/ sewers, which lead to surface water, must be reported to the national response center at 800-424-8802.

CERCLA:

If this product is accidentally spilled, it is not subject to any special reporting under the requirements of the comprehensive environmental response, compensation and liability act. We recommend you contact local authorities to determine if there may be other local reporting requirements.

16. Other Information

MSDS Date	September 27, 1999
Last revision	None
Reason for revision	None

Hazardous Materials Information Systems (HMIS) Rating

Health	0
Flammability	1
Reactivity	0

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