

# MATERIAL SAFETY DATA SHEET

DUMONDE DESIGN GROUP INC.

## 1. Chemical Product and Company Identification

Product Name .....Dumonde Tech Lite Bicycle Chain Lubrication  
Product Name .....Dumonde Tech Original Bicycle Chain Lubrication  
Product Code .....7115  
Product Description ..... Fatty Ester, Polymer, Isoparaffinic, keytone

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

Emergency Telephone Numbers

Transportation:

Information:

Dumonde Design Group Inc. 425-806-0948

## 2. Composition/Information on Ingredients

<u>Principle Components</u>	CAS #	Percentage by weight
Fatty Ester	Proprietary	81-60
Polymer	Proprietary	7-20
Isoparaffinic	Proprietary	7-25
Ketone	Proprietary	5-15

This product is hazardous as defined in 29 cfr 1910.1200

OSHA Hazard

Combustible

## 3. Hazards Identification

### Emergency Overview:

Light Blue-Green, Yellow or Orange.

Sweet pleasant odor.

Physical state: Liquid.

### Effects of Single Overexposure:

#### **Swallowing:**

Moderately 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**

<b>Flash Point:</b>	128 Deg. F. PMCC
<b>Flammable limits:</b>	Not known
<b>Flammability Classification:</b>	Combustible per 29 CFR 1'910.1200

### **General Hazard:**

Combustible liquid can form combustible mixtures at temperatures at or above the flash point.

Static discharge, material can accumulate static charges, which can cause an incendiary electrical discharge.

"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.

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.

## **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:**

Eliminate sources of ignition.

Warn occupants and shipping in surrounding and downwind areas of fire and explosion hazard and request all to stay clear.

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**

### **Electrostatic accumulation hazard:**

Yes, use proper bonding and/or grounding procedure. Additional information regarding safe handling of products with static accumulation potential can be ordered by contacting:

The American Petroleum Institute (API) for API recommended practice 2003 Entitled "Protection against ignitions arising out of static, lightning, and stray currents"

American Petroleum Institute  
1220 L Street Northwest  
Washington, DC 20005

Or the:

National Fire Protection Association (NFPA) for NFPA 77 Entitled Static Electricity"

National Fire Protection Association  
1 Batterymarch Pard  
P.O.Box 9191  
Quincy, Ma. 02269-9101

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.

Material will accumulate static charges, which may cause an electrical spark (ignition source).

Use proper bonding and/ or grounding procedures.

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, Yellow or Orange
Odor	Sweet pleasant
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:**

Moderate risk of peroxide formation.

Moderate peroxide hazard on storage and concentration.

Inhibitor not been added to mitigate peroxide hazard.

#### **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)**

DOT Shipping Description: Petroleum Distillate, N.O.S., Combustible Liquid UN1268, III

**Note:** In containers of 119 Gallons capacity or less this product is not regulated by DOT.

## **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 cent 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	November, 24, 1998
Last revision	None
Reason for revision	None

### Hazardous Materials Information Systems (HMIS) Rating

Health	1
Flammability	2
Reactivity	1

---

## **NOTICE**

**\*\* DUMONDE DESIGN GROUP INC. EXPRESSLY DISCLAIMS ALL EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WITH THE 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\*\*\*\*\*