

# SAFETY DATA SHEET

## OIL STABILIZER

Prepared to U.S. OSHA, CMA, ANSI, Canadian WHMIS, Australian WorkSafe, Japanese Industrial Standard JIS Z 7250:2000, and European Union REACH Regulations

### SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

#### PRODUCT NAME: **Lubimprove**

CHEMICAL FAMILY NAME: Oil Stabilizer

ITEM NUMBER(S): FB3, FB49

U.N. DANGEROUS GOODS CLASS: See Section 14

SUPPLIER/MANUFACTURER'S NAME: **LUBRIFORMANCE**

ADDRESS: 2021 Reserve Dr.

BUSINESS PHONE: Canton, TX 75103

EMERGENCY PHONE: 903-567-7236

(800) 424-9300 Chemtec 24 Hr

(703)527-3887 Outside USA and Canada (collect calls accepted)

DATE OF PREPARATION: September 26, 2011

DATE OF LAST REVISION: New

### SECTION 2 - HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW: Product Description:** This product is a green colored liquid with a slight odor. **Health**

**Hazards:** Prolonged exposure can cause irritation to skin, eyes and respiratory tract. **Flammability Hazards:** This product is Non- Flammable Liquid with a flash point of greater than 200°F. **Reactivity Hazards:** Negligible.

**Environmental Hazards:** This product is not toxic to fish but may coat gill structures resulting in suffocation if spilled in shallow, running water. **Emergency Considerations:** Emergency responders must wear the proper personal protective equipment (and have appropriate fire-suppression equipment) suitable for the situation to which they are responding.

US DOT SYMBOLS

CANADA (WHMIS) SYMBOLS

(GHS) Hazard Symbols

Non-Regulated Material

"Not Controlled"



Signal Word: **Warning!**

#### GHS LABELING AND CLASSIFICATION:

#### CLASSIFICATION OF SUBSTANCE OR MIXTURE IN ACCORDANCE WITH 29 CFR 1200 (OSHA HCS) AND THE EUROPEAN UNION DIRECTIVES:

This product does meet the definition of a hazardous substance or preparation as defined by 29 CFR 1910. 1200 AND the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives.

#### Classification of the substance or mixture according to Regulation (EC) No1272/2008

Highly refined mineral oil C15-C50 is a mixture of various base oil stocks with less than 3% DMSO extract DMSO extract as measured by IP 346

EC# 265-156-6 Annex VI Index# 649-466-00-2 This product meets the EU requirement of having less than 3% DMSO extract DMSO extract as measured by IP 346

EC# 201-148-0 Annex VI Index# 603-108-00-1

EC# 204-909-5 is not listed in Annex VI

#### According to European Directive 67/548/EEC.

Substances not listed either individually or in group entries must be self classified.

#### GHS Classifications:

Skin Irritant Category 2

Eye Damage Category 1

STOT SE Category 3

#### Label Elements:

Pictogram



Signal Word: **Warning!**

# SAFETY DATA SHEET

## OIL STABILIZER

### Hazard Statement(s):

H315: Causes skin irritation  
H318: Causes serious eye damage  
H335: May cause respiratory irritation  
H336: May cause drowsiness or dizziness

### Precautionary Statement(s):

P264: Wash skin after handling  
P281: Use personal protective equipment as required  
EU Hazard Classification Per Directive 1999/45/EC:

[X] IRRITANT

Risk Phrases: R36/37/38: Irritating to eyes, respiratory system and skin.

Safety phrases: S24/25: Avoid contact with skin and eyes, S45: In case of accident or if you feel unwell, seek medical attention immediately, S53: Avoid exposure.

### HEALTH HAZARDS OR RISKS FROM EXPOSURE:

#### SYMPTOMS OF OVER-EXPOSURE BY ROUTE OF EXPOSURE

The most significant route of over-exposure for this product is by inhalation, skin contact and eye contact.

#### INHALATION:

Vapors may be irritating to the respiratory tract.

#### SKIN:

Repeated or prolonged contact may cause skin irritation.

#### EYE CONTACT:

Contact may irritate the eyes, resulting in redness or watering.

#### INGESTION:

Ingestion may cause gastrointestinal irritation with nausea and diarrhea.

**HEALTH EFFECTS OR RISKS FROM EXPOSURE: An Explanation in Lay Terms.** Over-exposure to this product may cause the following health effects:

**ACUTE:** Excessive exposure may result in eye, skin or respiratory irritation **CHRONIC:** Skin Dermatitis

### SECTION 3 - COMPOSITION and INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS:	CAS #	EINECS #	ICSC #	WT %	HAZARD CLASSIFICATION; RISK PHRASES
Highly Refined Mineral Oil (C15 - C50)	Mixture	Not Listed in ESIS	Not Listed	50 - 60%	HAZARD CLASSIFICATION: [X] IRRITANT RISK PHRASES: R36/37/38
Distillates (petroleum), Severely Hydrotreated Light Naphthenic	64742-53-6	265-156-6	Not Listed	35 - 45%	HAZARD CLASSIFICATION: [ ] TOXIC RISK PHRASES: See note in Section 2
Isobutyl	78-83-1	201-148-0	0113	1 - 5%	HAZARD CLASSIFICATION: [F] Flammable, [X] IRRITANT RISK PHRASES: R10,R37/38, R41
Anthraquinone, Monoazo Green	128-80-3	204-909-5	Not Listed	1 - 5%	HAZARD CLASSIFICATION: [X] IRRITANT RISK PHRASES: R36/37/38

Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).

NOTE: ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2004 format. This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard JIS Z 7250: 2000.

See Section 2 for full text of Ingredient Risk Phrases and Safety Phrases.

### SECTION 4 - FIRST-AID MEASURES

#### INHALATION

If chemical is inhaled, or breathing is difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention.

#### SKIN

Wash contacted area with soap and water. Remove exposed or contaminated clothing, taking care not to contaminate eyes. Seek medical attention if irritation develops and persists.

#### EYE CONTACT

If chemical contacts the eyes, open victim's eyes while under gentle running water. Use sufficient force to open eyelids. Have victim "roll" eyes. Minimum flushing is for 15 minutes. Remove contact lenses, if worn. Seek medical attention if irritation persists.

#### INGESTION

If chemical is swallowed, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give

# SAFETY DATA SHEET

## OIL STABILIZER

diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Victims of chemical exposure must be taken for medical attention. Rescuers should be taken for medical attention, if necessary. Take a copy of the label and MSDS with the victim to the health professional.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Skin disorders may be aggravated by prolonged overexposures to this product.

**RECOMMENDATIONS TO PHYSICIANS:** Treat symptoms and reduce over-exposure.

### SECTION 5 - FIRE-FIGHTING MEASURES

**FLASH POINT:**

>200°F

**AUTOIGNITION TEMPERATURE:**

Not Established

**FLAMMABLE LIMITS (in air by volume, %):**  
**FIRE EXTINGUISHING MATERIALS:**

Lower (LEL): Not Established. Upper (UEL): Not Established.  
Dry chemical, carbon dioxide, foam. Water spray may be used to keep fire exposed containers cool, dilute spills to non-flammable mixtures.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

Above flash point, vapor air mixtures are explosive within flammable limits noted above. Vapor can flow along surfaces to distant ignition sources and flash back. Combustion products include carbon monoxide and carbon dioxide.

Explosion Sensitivity to Mechanical Impact:  
Explosion Sensitivity to Static Discharge:

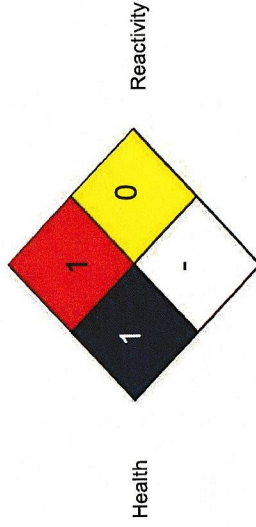
Not Sensitive.

Not Sensitive.

**SPECIAL FIRE-FIGHTING PROCEDURES:**

Structural fire-fighters must wear Self-Contained Breathing Apparatus and full protective equipment.

**NFPA RATING SYSTEM**  
Flammability



**HMS RATING SYSTEM**

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM			
HEALTH HAZARD (BLUE)			1
FLAMMABILITY HAZARD (RED)			1
PHYSICAL HAZARD (YELLOW)			0
PROTECTIVE EQUIPMENT			
EYES	RESPIRATORY	HANDS	BODY
	See Sect. 8		See Sect 8

For Routine Industrial Use and Handling Applications

Hazard Scale: **0** = Minimal **1** = Slight **2** = Moderate  
**3** = Serious **4** = Severe \* = Chronic hazard

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

**SPILL RESPONSE:**

Trained personnel following pre-planned procedures should handle non-incident releases. Absorb spilled material using poly pads or other suitable absorbent material. Place all spill residue in an appropriate container and seal. Decontaminate the area thoroughly. Do not mix with wastes from other materials. Dispose of in accordance with applicable Federal, State, and local regulatory procedures

### SECTION 7 - HANDLING and STORAGE

**WORK PRACTICES AND HYGIENE PRACTICES:**

Avoid getting this product ON YOU or IN YOU. Wash thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Avoid breathing vapors generated by this product. Use in a well-ventilated location.

# SAFETY DATA SHEET

## OIL STABILIZER

### STORAGE AND HANDLING PRACTICES:

Protect against physical damage. Store in a cool, dry well-ventilated location away from heat or ignition sources. Keep out of direct sunlight. Keep containers tightly closed.

### SECTION 8 - EXPOSURE CONTROLS - PERSONAL PROTECTION

#### EXPOSURE LIMITS/GUIDELINES:

Based upon Above listed ingredients

Component Name	CAS Number	ACGIH TLV	OSHA PEL	NIOSH	SWA
Oil Mist		5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>

Currently, International exposure limits are not established for the components of this product. Please check with competent authority in each country for the most recent limits in place.

**VENTILATION AND ENGINEERING CONTROLS:** Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above. Use local exhaust ventilation, and process enclosure if necessary, to control airborne vapor. Ensure eyewash/safety shower stations are available near areas where this product is used.

#### RESPIRATORY PROTECTION:

A NIOSH approved air-purifying respirator equipped with organic vapor/acid gas cartridge. Use supplied air if hydrogen sulphide is present. Use supplied air respiratory protection if Oxygen levels are below 19.5%, or unknown, during emergency response to a release of this product. If respiratory protection is needed, use only protection authorized in the U.S. Federal OSHA Standard (29 CFR 1910.134), applicable U.S. State regulations, or the Canadian CSA Standard Z94.4-93 and applicable standards of Canadian Provinces. Oxygen levels below 19.16,33% are considered IDLH by OSHA. In such atmospheres, use of a full-facepiece pressure/demand SCBA or a full facepiece, supplied air respirator with auxiliary self-contained air supply is required under OSHA's Respiratory Protection Standard (1910.134-1998).

#### EYE PROTECTION:

Splash goggles or safety glasses with side shields recommended. If necessary, refer to U.S. OSHA 29 CFR 1910.133, Canadian Standards, and the European Standard EN166, Australian Standards, or relevant Japanese Standards.

#### HAND PROTECTION:

Compatible protective gloves recommended. Wash hands after removing gloves. If necessary, refer to U.S. OSHA 29 CFR 1910.138, the European Standard DIN EN 374, the appropriate Standards of Canada, Australian Standards, or relevant Japanese Standards.

#### BODY PROTECTION:

Use body protection appropriate for task. If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection, as described in U.S. OSHA 29 CFR 1910.136.

### SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

**VAPOR DENSITY (AIR = 1):**

Not Established

>600°F

**BOILING POINT:**

Not Established

**FREEZING/MELTING POINT (@ 10 psig):**

0.888

**SPECIFIC GRAVITY (air = 1) @ 70°F (21.1°C):**

Not Established

Insoluble in water

**SOLUBILITY IN WATER:**

Not Established

**EVAPORATION RATE (nBuAc = 1):**

Not Applicable

**ODOR THRESHOLD:**

Not Established

**VAPOR PRESSURE @ 70°F (21.1°C) (psig):**

Green color, viscous liquid with a slight odor.

**APPEARANCE, ODOR AND COLOR:**

### SECTION 10 - STABILITY and REACTIVITY

**STABILITY:**

Stable

**DECOMPOSITION PRODUCTS:**

When heated to decomposition, oxides of carbon and asphyxiants are emitted.

# SAFETY DATA SHEET

## OIL STABILIZER

**CONDITIONS TO AVOID:  
MATERIALS WITH WHICH  
SUBSTANCE IS INCOMPATIBLE:  
HAZARDOUS POLYMERIZATION:**

Incompatible materials and ignition sources  
Oxidizing agents .

Will not occur.

### SECTION 11 - TOXICOLOGICAL INFORMATION

**TOXICITY DATA:**

Acute oral toxicity: – LD50 Rat: 5 gm/kg  
Moderate skin and eye irritant.

**SUSPECTED CANCER AGENT:**

The components of these products are not listed as carcinogenic by National Toxicology Program, I.A.R.C. or OSHA tracking the carcinogenic potential of chemical compounds. CAS# 64742-53-6 is classified per EU Directive 67/548/EEC as a carcinogen, category 2, however this material meets the requirement of having less than 3% DMSO extract.

**IRRITANCY OF PRODUCT:**

This product may irritate skin and eyes

**SENSITIZATION OF PRODUCT:**

This product is not a sensitizer.

**REPRODUCTIVE TOXICITY INFORMATION:**

Listed below is information concerning the effects of this product on the human reproductive system. Mutagenicity: Has not been reported to cause mutagenic effects in humans. Embryotoxicity: Has not been reported to cause embryotoxic effects in humans. Teratogenicity: Has not been reported to cause teratogenic effects in humans. Reproductive Toxicity: Has not been reported to cause adverse reproductive effects in humans.

*A mutagen is a chemical which causes permanent changes to genetic material (DNA) such that the changes will propagate through generation lines. An embryotoxin is a chemical which causes damage to a developing embryo (i.e. within the first eight weeks of pregnancy in humans), but the damage does not propagate across generational lines. A teratogen is a chemical which causes damage to a developing fetus, but the damage does not propagate across generational lines. A reproductive toxin is any substance which interferes in any way with the reproductive process.*

**BIOLOGICAL EXPOSURE INDICES (BEIs):**

Currently, Biological Exposure Indices (BEIs) have not been determined for this product.

### SECTION 12 - ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

**ENVIRONMENTAL FATE:**

If applied to leaves, this product may kill grasses and small plants by interfering with transpiration and respiration. This product is not toxic to fish but may coat gill structures resulting in suffocation if spilled in shallow, running water. Product may be moderately toxic to amphibians by preventing dermal respiration. This product may cause gastrointestinal distress in birds and mammals through ingestion during pelage grooming.

**ENVIRONMENTAL TOXICITY:**

This product is rapidly biodegradable. Biodegradation is possible within 90 to 120 days in aerobic environments at temperatures above 70°F.

### SECTION 13 - DISPOSAL CONSIDERATIONS

**PREPARING WASTES FOR DISPOSAL:** Waste disposal must be in accordance with appropriate Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan.

### SECTION 14 - TRANSPORTATION INFORMATION

**US DOT, IATA, IMO, ADR:**

**THIS PRODUCT IS NOT HAZARDOUS AS DEFINED BY THE U.S. DEPARTMENT OF TRANSPORTATION.**

**PROPER SHIPPING NAME:      PROPER SHIPPING NAME:**

# SAFETY DATA SHEET

## OIL STABILIZER

**HAZARD CLASS NUMBER and DESCRIPTION:**  
**UN IDENTIFICATION NUMBER:**  
**PACKING GROUP:**  
**DOT LABEL(S) REQUIRED:**  
**MARINE POLLUTANT:**

**HAZARD CLASS NUMBER and DESCRIPTION:**  
**UN IDENTIFICATION NUMBER:**  
**PACKING GROUP:**  
**DOT LABEL(S) REQUIRED:**  
**MARINE POLLUTANT:**

U.S. DEPARTMENT OF TRANSPORTATION (DOT) SHIPPING REGULATIONS:

This product is not classified as dangerous goods, per U.S. DOT regulations, under 49 CFR 172.101.

TRANSPORT CANADA, TRANSPORTATION OF DANGEROUS GOODS REGULATIONS:

This product is not classified as Dangerous Goods, per regulations of Transport Canada.

INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA):

This product is not classified as Dangerous Goods, by rules of IATA:

INTERNATIONAL MARITIME ORGANIZATION (IMO) DESIGNATION:

This product is not classified as Dangerous Goods by the International Maritime Organization.

EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD (ADR):

This product is not classified by the United Nations Economic Commission for Europe to be dangerous goods.

### SECTION 15 - REGULATORY INFORMATION

#### UNITED STATES REGULATIONS

**SARA REPORTING REQUIREMENTS**

This product is not subject to the reporting requirements of Sections 302, 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act., as follows:  
None

**TSCA**

All components in this product are listed on the US Toxic Substances Control Act (TSCA) inventory of chemicals.

**SARA 311/312:**

Acute Health: Yes      Chronic Health: No      Fire: No      Reactivity: No

**U.S. SARA THRESHOLD PLANNING QUANTITY:** There are no specific Threshold Planning Quantities for this gas. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lb (4,540 kg) may apply, per 40 CFR 370.20.

**U.S. CERCLA REPORTABLE QUANTITY (RQ):** Not Applicable

**U.S. STATE REGULATORY INFORMATION:** This product not listed.

**CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65):** This product does not contain any component above the 0.1% level which is listed as a California Proposition 65 chemical.

#### CANADIAN REGULATIONS:

**CANADIAN DSL/NDSL INVENTORY STATUS:** All of the components of this product are on the DSL Inventory

**CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS:**No component of this product is on the CEPA First Priorities Substance Lists.

**CANADIAN WHMIS CLASSIFICATION and SYMBOLS:** This product is classified as "Not Controlled" as per the Controlled Product Regulations

#### EUROPEAN ECONOMIC COMMUNITY INFORMATION:

**EU LABELING AND CLASSIFICATION:**

**Classification of the substance or mixture according to Regulation (EC) No1272/2008. See section 2 for details.**

[X1] IRRITANT

**Risk Phrases:** R36/37/38: Irritating to eyes, respiratory system and skin

**Safety phrases:** S24/25: Avoid contact with skin and eyes, S45: In case of accident or if you feel unwell, seek medical attention immediately, S53: Avoid exposure.

# SAFETY DATA SHEET

## OIL STABILIZER

### AUSTRALIAN INFORMATION FOR PRODUCT:

**AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS) STATUS:** All components of this product are listed on the AICS.

**STANDARD FOR THE UNIFORM SCHEDULING OF DRUGS AND POISONS:** Not applicable.

### JAPANESE INFORMATION FOR PRODUCT:

#### **JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) STATUS:**

The components of this product are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

### INTERNATIONAL CHEMICAL INVENTORIES:

Listing of the components on individual country Chemical Inventories is as follows:

Asia-Pac:

Australian Inventory of Chemical Substances (AICS):

Korean Existing Chemicals List (ECL):

Japanese Existing National Inventory of Chemical Substances (ENCS):

Philippines Inventory of Chemicals and Chemical Substances (PICCS):

Swiss Giftliste List of Toxic Substances:

U.S. TSCA:

Listed or exempt  
Listed or exempt  
Listed or exempt  
Listed or exempt  
Listed or exempt  
Listed or exempt  
Listed or exempt

## SECTION 16 - OTHER INFORMATION

**PREPARED BY:** Paul Eigbrett

GHS MSDS Compliance PLUS

**Disclaimer:** The information in this SDS relates to the product as sold, and to the best of our knowledge, such information is believed to be accurate and reliable at the time this document was prepared. However, no representation, warranty, or guarantee, either expressed or implied, is made as to its accuracy, reliability, or completeness. It is the responsibility of the user of this product to determine if this product is suitable for their intended purpose, to include both safety and regulatory perspectives.