LUBRISENSE
The Science of Lubrication

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

PRODUCT NAME: Lubrisense Diesel SAE:- 30,40,50

SUPPLIER NAME: SBM Global Inc.

ADDRESS: Bay#9, 6540 West 20th Ave, Hialeah Fl. 33016

TELEPHONE: 1-305-822-2279 FAX: 1-305-822-2462

USE(s): Diesel Engine Oil

2. HAZARD IDENTIFICATION

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK CRITERIA.

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE.

UN No.: None Allocated **DG Class: None Allocated**

Hazchem Code: None Allocated **Packing Group: None Allocated**

Precautionary Statements- Avoid release to the environment.

Acute Aquatic toxicity **Category 3**

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Conc,%	TWA (mg/m3)	STEL(mg/m3)
Oil, mineral	8012-95-1	>90	5 (mist)	Not set
Zinc alkyl di thiophosphate	68649-42-3	<1.5	Not set	Not set
p-dodecylphenol	121158-58-5	<0.4	Not set	Not set

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

4. FIRST AID MEASURES

Eye: If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.

Skin: If skin or hair contact occurs remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or doctor.

Inhalation: If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.

Ingestion: for advice, contact a Poisons Information Centre or doctor at once. If swallowed, do not induce vomiting.

Advice to doctor Treat symptomatically.

First Aid Facilities, eye wash and safety shower should be available.

5. FIRE FIGHTING MEASURES

Flammability: Combustible. May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition.

Fire and Explosion: Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

Extinguishing: Dry agent. Carbon dioxide or foam. Prevent contamination of drains or waterways.

Hazchem Code: None Allocated

6. ACCIDENTAL RELEASE MEASURES

Spillage: Use personal protective equipment (PPE). Clear area of all unprotected personnel. Ventilate area wher possible. Contain spillage, then cover/absorb spill with non-combustible absorbant material (vermiculite, sandor similar). Collect and place in suitable containers for disposal.

7. STORAGE AND HANDLING

Storage: Store in a cool, dry, well ventilated area, removed from oxidizing agents, acids, alkalis, heat or ignition sources and foodstuffs. Ensure containers are adequately labeled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills. Large storage areas should have appropriate fire protection systems. Store as a Class C2 Combustible Liquid (AS1940).

Handling: Before use carefully read the product label. By the proper use of PPE, safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

8. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Dark Amber Coloured Liquid
Odour:	Strong Characteristic Odour
pH:	Not Relevant
Vapour pressure:	Not Available
Vapour Density:	Not Available
Boiling Point:	Not Available
Melting Point:	Not Available
Viscosity:	18.06 cST @ 100° C
Solubility (water):	Insoluble
Specific Gravity:	0.842
% Volatiles:	Not Available
Flammability:	Class C2 Combustible
Flash Point:	>200°C

9. STABILITY AND REACTIVITY

Chemical stability: Stable under recommended conditions of storage.

Conditions to Avoid: Avoid heat, sparks, open flames and other ignition sources.

Material to Avoid: Incompatible with oxidizing agents (eg Hypochlorites), acids (eg. Nitric acid), alkalis (eg. Hydroxides), heat and ignition sources.

Hazardous Decomposition Products: May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition.

Hazardous Reactions: Polymerization is not expected to occur.

10. TOXICOLOGICAL INFORMATION

Health Hazard Summary: Low toxicity. Use safe work practices to avoid eye or skin contact and inhalation. The mineral oil contained within this product is highly refined and therefore is not classifiable as to its carcinogenicity in humans (IARC Group 3).

Eye: Low to moderate irritant. Contact may result in irritation, lacrimation, pain and redness.

Inhalation: Low irritant. Over exposure may result in irritation of the nose and throat, with coughing.

Skin: Low irritant. Prolonged or repeated contact may result in mild irritation, rash and dermatitis.

Ingestion: Low toxicity. Ingestion of large quantities may result in nausea, vomiting, abdominal pain, diarrhea and drowsiness. Aspiration may result in chemical pneumonitis and pulmonary oedema.

Toxicity: Data No LD50 data available for this product.

11. ECOLOGICAL INFORMATION

Environment: Mineral oils biodegrade and should not be released to waterways or soil. They can float on water, restricting oxygen exchange with possible asphyxiation of aquatic life.

Ecotoxicity: Classified as dangerous to the aquatic environment.

Persistance/Degradability: Expected not to be inherently biodegradable.

Mobility: Low solubility and is expected to migrate from water to the land. Expected to partition to sediment and wastewater solids.

12. DISPOSAL CONSIDERATIONS

Waste disposal: Reuse where possible or return to the manufacturer. May be recycled. Do not release to drains and waterways. Contact the manufacturer for additional information.

Legislation: Dispose of in accordance with relevant local legislation.

13. OTHER PRECAUTIONS

	NFPA CODE	HMIS CODE	KEY
HEALTH	**0**	**0**	**4 SEVERE**
FLAMMABILITY	**1**	**1**	**3 SERIOUS**
REACTIVITY	**0**	**0**	**2 MODERATE**
			1 SLIGHT
			0 MINIMAL

NB: NFPA (NATIONAL FIRE PROTECTION ASSOCIATION

HMIS (HAZARDOUS MATERIALS IDENTIFICATION SYSTEM

MINERAL OILS – USED: Used mineral oils in engine crankcases and other high temperature/high stress environments may contain potentially harmful residues, some of which have been shown to cause irreversible skin effects, including cancer. Prolonged and repeated inhalation of mists associated with used mineral oils may result in pulmonary fibrosis.

MINERAL OILS – INJECTION: Where high pressure applications are used the risk of accidental injection under the skin exists and may result in an extremely painful and serious injury requiring immediate medical attention. Depending on the pressure used, mineral oils may be injected a considerable distance below the skin and may cause permanent tissue damage. SEEK IMMEDIATE MEDICAL ATTENTION. EXCERSIZE EXTREME CARE WHEN USING HIGH PRESSURE EQUIPMENT.

HEALTH EFFECTS FROM EXPOSURE

It should be noted that the effects from exposure to this product will depend on several factors including frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a MSDS which would encompass all possible scenarios. It is anticipated that the end user will assess the risks and apply control methods where appropriate.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES

The recommendation for protective equipment contained within this MSDS is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered by the end user before final selection of personal protective equipment is made.

End of MSDS