

MATERIAL SAFETY DATA SHEET

#19 BOD MOS2 GEAR OIL



1. Product & Company Identification

Product Name: #19 BOD MOS2 GEAR OIL
Product Use: Additive
Supplier: Ding Oil International Trading Company Ltd
Address: 1F., No.17, Ln.31, Sec.1, Jianguo Rd., Fengshan Dist.,
Kaohsiung City, Taiwan
Tel: +886 7 788 0250 Fax: +886 7 787 0209

2. Composition & Ingredients

Chemical Properties

Ingredients	Concentration (%)	CAS No.	EINECS No.
Paraffinic base oil	70.0%	64742-54-7	265-157-1
Molybdenum disulfide	5.0%	1317-33-5	
Engine oil additives	24.85%	Secrecy	
Alkyl zinc dithiophosphate	0.15%	68649-42-3	

3. Hazards Identification

POTENTIAL HEALTH EFFECTS

NON-HAZARDOUS SUBSTANCE, NON-DANGEROUS PRODUCTS.

Emergency: May cause minor irritation as contact with skin and eyes.

Chronic: This product has not been tested as a whole for chronic health effects.

POTENTIAL ENVIRONMENTAL EFFECTS: None applicable.

PHYSICAL & CHEMICAL HAZARDS: None applicable.

SPECIAL HAZARDS: None applicable.

MAJOR SYMPTOMS:

EYES: Minor irritation.

SKIN CONTACT: No irritation.

SWALLOWING: May cause throat & respiration irritation.

INHALATION: This good is not likely to cause an inhalation hazard at normal temperature, but when breathing the vapor or mist or heat may cause respiration irritation (nose, throat and lung).

4. First Aid Measures

BREATHING: Move the person to fresh air, get medical attention and see a doctor if breathing difficulty occurs.

SKIN: Remove contaminated clothing. Wash skin thoroughly with soap and water. See a doctor if skin irritation persists or pain develops.

EYES: Wash eyes immediately with clean water for at least 15 minutes while holding the eyelid open. See a doctor if irritation persists.

INGESTION: Do not make person vomit and see a doctor immediately.

If vomiting occurs, avoids breathing the substance into respiration (lungs). Never give anything by mouth to an unconscious person.

5. Fire Fighting Measure

FIRE EXTINGUISHING AGENTS: **Foam, carbon dioxide, dry chemical powder.**

- HAZARDOUS COMBUSTION PRODUCTS:

**Burning at high heat may decompose and produce carbon dioxide, phosphorus oxides, and undefined organic compounds.

- FIRE FIGHTING INDICATIONS:

**None.

- EXPLOSION HAZARDS:

**Water may cause the hot oil splashing, and oil will float on the water. Gases or vapors can cause burning.

6. Accidental Release Measures

- INDIVIDUAL NOTES:

** Immediately stop the leak of the liquid, remove the leaked liquid as soon as possible.

- ENVIRONMENTAL NOTES:

** Prevent pollution of water or soil.

- CLEAN PROCEDURES:

** Clean up small spill requires appropriate methods, such as use absorbent material to absorb or use motor extract.

7. Handling and Storage

◆ **Handling:**

A. Don't do the container welding, heating or drilling and the lid should be closed. It's dangerous after the empty bucket sufficiently heated.

B. When do the process of handling, keep the proper temperature and ventilation of the environment.

C. Avoid with water, or cause the pollution of water.

◆ **Storage:**

- A. Store containers in a cool, dry, ventilated place, and keep them away from flame, sparks or other sources of ignition.
- B. The containers must be safely sealed clearly marked and avoid damage and collision.

8. Exposure Controls / Personal Protection

Engineering controls: There is no need ventilation, but use this item under a high pressure job in general; there is the special ventilation equipment.

Inhalation Protection: Wear respiratory masks.

Hands/Feet Protection: Suitable and durable plastic or rubber gloves, wear securely footwear like rubber.

Eye Protection: Wear safely glasses with side shields, chemical goggles.

Skin & Body Protection: Any routine contact with used engine oil should require wearing protective clothing such as gloves, boots or apron made of neoprene, nitrile, etc. suitable for the application.

Hygiene:

- a. Keep good personal. Wash entirely with soap and water after handling product.
- b. Prohibit smoking and eating in working area.
- c. Clean affected clothing shoes, etc.
- d. Keep working areas clean.

9. Physical & Chemical Properties

Appearance & color: Dark Grey liquid

Boiling point (deg. C): None

Vapor pr. (mm Hg@ 20 deg. C): Not determined

Density (kg/l at 20 deg. C): 0.893 @20°C g/cm³

Vapor density (air = 1): >5(air=1)

pH: None

Solubility (water): Not available

Volatile Component (% vol.): Not determined

Evaporation: None

Flash point (deg. C) 206°C

Viscosity(100°C): 15.89 cSt

Pour point: -30°C

10. Stability & Reactivity

Chemical stability: The products are stable.

Conditions to avoid: Sparks or flame.

Materials to avoid: Acids, oxidizers, halogens and halogen compounds

Hazardous decomposition products: None.

11. Toxicological Information

Acute Effects:

Eyes & Skin: May irritate eyes

Skin: Not expected to have serious effects to skin if thoroughly removed by washing with soap and water.

Swallow: May be harmful if swallowed.

Toxicity: No specific data.

12. Ecological Information

Environmental effects:

Chronic toxicity to fish, NOEC > 5000mg / L (seven) -IUCLID data.

Chronic toxicity to water invertebrates, NOEC > 552mg / L (seven) -IUCLID data.

Persistence and degradability: No specific data.

Bio accumulative: No specific data.

The mobility in soil: No specific data.

Other adverse effects: No specific data.

13. Disposal Considerations

Disposals are different from countries, or territories.

The user must operate according to the laws & rules in their country.

14. Transport Information

UN/ADR/RID/IMDG/IATA/ANDR/UK: Not regulated.

15. Regulatory Information

*Labor safety rules.

*Road & traffic safety rules.

*Taiwan industrial disposals treatment and storage operation regulations and facility standards.

16. Other information

Issuer name: Ding Oil International Trading Co., Ltd.

1F., No.17, Ln.31, Sec.1, Jianguo Rd., Fengshan Dist., Kaohsiung City, Taiwan

Tel: +886 7 788 0250

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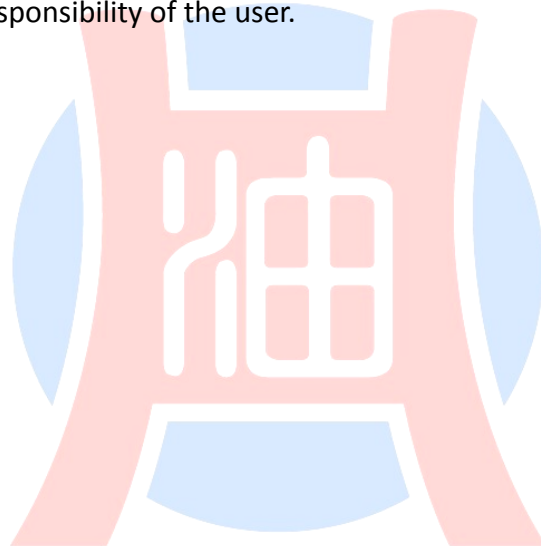
Revision No.: 1.

Label/other information: Not available.

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