

Ding Chung Technology Trading Company Ltd

MATERIAL SAFETY DATA SHEET

BOD #34 Graphene additive

1. Product & Company Identification

Product Name: **BOD #34 Graphene additive**
Product Use: Additive
Supplier: Ding Oil International Trading Company Ltd
Address: No.100-61, Fengren Rd., Fengshan Dist.,
Kaohsiung City 830, Taiwan
Tel: +886 7 740 5126 Fax: +886 7 7405127
Email: service.BOD@gmail.com
EMERGENCY TELEPHONE NUMBER: DOMESTIC +886 7 7405126
INTERNATIONAL: +886 7 7405216

2. Composition & Ingredients

Chemical Properties

Ingredients	Concentration (%)	CAS No.	EINECS No.
Paraffinic base oil	70.0%	64742-54-7	265-157-1
Engine oil additives	29%	Secrecy	
Alkyl zinc dithiophosphate	1%	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 : Black

Boiling point (deg. C) : None

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

Density (kg/l at 15 deg. C) : 0.8497 @15°C , g/cm³

Vapor density (air = 1) : None

pH : None

Solubility (water) : Not available

Volatile Component (% vol.) : Not determined

Evaporation : None

Flash point (deg. C) 212°C °
Viscosity(100°C) : 13.17cSt

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) -IUCLED data
Chronic toxicity to water invertebrates, NOEC > 552mg / L (seven) -IUCLED 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 Company Ltd.
No.100-61, Fengren Rd., Fengshan Dist., Kaohsiung City 830, Taiwan
Tel: +886 7 7405126

Issued date: Aug. 13, 2017

Revision No. : 1

Label/other information: Not available.

Remarks to reader:

The information provided in this MSDS is from reliable source we trust. We do not guarantee any liability for consequences of the use this information since it may be used under condition out of our control or knowledge.

And it is also possible, that extra data could be made available after this MSDS was issued. All the material may present unknown hazards, the users should review this information and use with caution. The final determination of the suitability of any material is the sole responsibility of the user.