



**Lubtech**  
Racing Motor Oil

1/6  
MSDS  
Material Safety Data Sheet

## Lubtech Boron Nitride for Engin

### 1. Chemical & Company Identification

Trade name: Lubtech Boron Nitride for Engin  
Product Code: L5194B00  
Supplier: Lubtech International Corporation Ltd  
2256-1 Totsuka-daiitikougyoudannti-nai  
Kmiyabe-cho Totsuka-ku  
Yokohama-shi kanagawa-ken  
245-0053 JAPAN  
Routine Inquiries: 81-3-5768-1159  
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Chemical Description: Lubricating Oil

### 2. Composition & Ingredients

Components	CAS No.	Range in %
Solved dewaxed heavy paraffinic distillate	64742-65-0	80-95
Additives Which may include detergent-inhibitor, viscosity index improver, pour point depressant, boron nitride, and/or anifoam		5-20

### 3. Hazards Identification

Warning: AVOID PROLONGED OR REPERTED CONTACT WITH USED MOTOR OIL. IF SKIN CONTACT OCCURS, WASH EXPOSED AREAS WITH SOAP AND WATER.  
LAUNDER CONTAMINATED CLOTHING.

Eyes: Expected to cause no more than minor eye irritation.

Oral: If more than several mouthfuls are swallowed, adbominal discomfort, nausea, and diarrhea may occur.

Inhalation: Breathing the vapour or mist at concentrations in air that exceed the ACGIH TLV can cause respiratory irritation or discomfort.

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Skin:	Expected to cause no more than minor skin irritation. Prolonged or frequently repeated contact may cause more severe irritation or may cause the skin to become cracked or dry from the defatting action of this material. See section 16 regarding health hazard concerns for used motor
Long Term Toxic Effects:	The base oil component(s) are not expected to be carcinogenic based on IARC criteria. This product has not been tested as a whole for chronic health effects. See section 11 for additional information.

### 4. First Aid Measures

Eyes:	Flush eyes immediately with fresh water for several minutes while holding the eyelids open. If irritation persists, see a doctor.
Skin:	Wash skin thoroughly with soap and water. Launder contaminated clothing. If Skin irritation persists or a rash develops as a result of excessive contact, see a doctor.
Ingestion:	If swallowed and person is conscious, give water or milk. DO NOT make person vomit except on advice of medical personnel. If advice cannot be obtained, take person with container and label to nearest emergency treatment center. Never give anything by mouth to an unconscious person.
Inhalation:	If respiratory irritation or any signs or symptoms as described in this MSDS occur, move the person to fresh air. If any of these effects continue, see a doctor.
Advice to Doctor	None Applicable.

### 5. Fire Fighting Measures

Ignition Temp. (Degrees C):	Not Determined
Flammable Limits (% by volume):	Not Determined
Flash Point.(Degrees C):	215 (COC)
Fire Extinguishing Agents:	According to the U.S. National Fire Protection Association Guide, Use water spray, dry chemical, foam, or carbon dioxide. Water or foam may cause frothing. Use water to cool fire-exposed containers. If a leak or spill has not ignited, use water spray to disperse the vapours and to provide protection for persons attempting to stop the leak.

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Explosion Hazards: For fires involving this material, do not enter any enclosed or confined space without self-contained breathing apparatus to protect against the hazardous effects of combustion products or oxygen deficiency.

### 6. Accidental Release Measures

In Case of Spill: Stop the source of leak or release and contain spill if possible. Ventilate area. Use respirator and protective clothing as discussed in this MSDS. Cover spill with a generous amount of inert absorbent. Use a stiff broom to mix thoroughly. Sweep up and place in a disposable container. Scrub contaminated area with detergent and water using a stiff broom. Pick up liquid with additional absorbent and place in a disposable container. Prevent contamination of groundwater or surface water.

### 7. Handling & Storage

Minimum feasible handling temperatures should be maintained. Periods of exposure to high temperatures should be minimised. Water contamination should be avoided.

### 8. Exposure Control/Personal Protection

Eyes: No special eye protection is usually necessary  
Safety glasses, chemical type goggles, or face shield appropriate where splashing or misting is expected during routine operations or spill clean-up.

Skin: Exposed employees should exercise reasonable personal cleanliness; this includes cleansing exposed skin several times daily with soap and water, and laundering or dry cleaning soiled work clothing at least weekly  
Any routine contact with used motor oil should require the use of protective clothing such as gloves or apron made of neoprene, nitrile, or n-butyl rubber suitable for the application.

Inhalation: Respiratory protection is normally not required. However, if operating conditions create airborne concentrations which exceed the recommended exposure standard(s), the use of an approved respirator is recommended.  
Wear approved respiratory protection such as a toxic dust, mist and fume respirator.

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- Ventilation: Use adequate ventilation to keep the airborne concentrations of this material below the ACGIH TLV for mineral oil mists. Local exhaust ventilation and/or enclosure of the process is preferred in these cases.
- Exposure Limits: The ACGIH TLV for mineral oil mists is 5 mg/m<sup>3</sup> for a daily 8-hour exposure.

## 9. Physical & Chemical Properties

Appearance & Odor:	White liquid, mild odor
Boiling Point (Degrees C):	Not Determined
Vapor Pr. (mmHg@25 Degrees C):	Not Determined
Density (Kg/L at 15 Degrees C):	0.84 - 0.87
Vapor Density (air = 1):	Not Determined
pH of Undiluted Product:	Not Applicable
Solubility (water):	Negligible
Percent Volatile by Volume:	Not Determined
Evaporation	Not Determined
Viscosity	9.9 mm <sup>2</sup> /s @ 100 Degrees C

## 10. Stability & Reactivity

Hazardous Polymerizations:	DO NOT OCCUR
Products of Combustion	Carbon monoxide, carbon dioxide, and aldehydes and ketones, combustion products of nitrogen or sulfur.
Conditions to Avoid	Strong oxidizers such as chlorates, nitrates, peroxides, etc.

## 11. Toxicological Information

- General: During use in engines, contamination of oil with low levels of cancer-causing combustion products occurs. Used motor oil have been shown to cause skin cancer in mice following repeated application and continuous exposure. Brief or intermittent skin contact with used motor oil is not expected to have serious effects in humans if the oil is thoroughly removed by washing with soap and water. Avoid prolonged contact with used motor oil.
- This product contains petroleum base oil which may be refined by various processes including several solvent extraction, hydrocracking and hydrotreating. These oils have not been listed in the U.S. National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as carcinogenic to humans.

**Lubtech Boron Nitride for Engine****12. Ecological Information**

Environmental Effects: No Specific ecotoxicity data on this product are available.  
This material may present environmental risks common to oil

**13. Disposal Considerations**

Waste Disposal: Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations. Contact local environmental or health authorities for approved disposal of this material.

Remarks: This material may present environmental risks common to oil spills. Contact your local oil spill response group and applicable government agencies if a spill occurs.

**14. Transport Informations**

UN Number: Not Applicable  
Hazchem Code: Not Applicable  
Dengerous Goods Class: Not Applicable  
General: None Determined

**15. Regulatory Information**

Respirator Information: In the absence of local approved authorities, follow U.S.NIOSH/MSHA, U.K.BSI, or joint Australia-New Zealand AS/NZS 1715/1716.  
Respirators must follow AS/NZS 1715/1716 standard for approved repirators.

**16. Other Information**

No specific notes on this prioduct.

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