

# Material Safety Data Sheet

## Section 1 - Chemical Product and Company Identification

**Product Name :** BOER P150BS  
**Chemical Name:** Paraffinic Mineral Oil  
**CAS Number :** 64742-62-7  
**Company Details :** TENOIT CO., LTD.  
 Room 4, 5FL., No. 109, Sec. 6, Mingquan East Road, Taipei, Taiwan  
**EMERGENCY TELEPHONE NUMBER :** TEL (886) 2 8792-2185      8792-2187  
 FAX (886) 2 8792-2151

## Section 2 - Composition And Information On Ingredients

| Ingredient Name                           | CAS Number | % vol |
|-------------------------------------------|------------|-------|
| Residual Oils (petroleum), solven Dewaxed | 64742-62-7 | 100   |

All components in the product have been identified.

| Ingredient                                 | OSHA PEL                          |               | ACGIH TLV                         |               | NIOSH REL     |               | NIOSH         |
|--------------------------------------------|-----------------------------------|---------------|-----------------------------------|---------------|---------------|---------------|---------------|
|                                            | TWA                               | STEL          | TWA                               | STEL          | TWA           | STEL          | IDLH          |
| Residual Oils (petroleum), Solvent Dewaxed | 5 mg/m <sup>3</sup><br>(oil mist) | None<br>estab | 5 mg/m <sup>3</sup><br>(oil mist) | None<br>estab | None<br>estab | None<br>estab | None<br>estab |

## Section 3 - Hazardous Identification

### Potential Health Effects

**Primary Entry Route :** Skin

**Inhalation :** Lower vapor pressure makes inhalation unlikely at standard temperature and pressures. Mist or vapors may irritate mucous membranes. Exposure to high concentrations of vapor may cause central nervous system depression.

**Eye :** This product may cause irritation to the eyes. Temporary redness or burning may occur.

**Skin :** Prolonged or repeated contact with skin may cause mild irritation and possibly dermatitis.

**Ingestion :** Low toxicity. Will have a laxative effect if swallowed.

**Carcinogenicity :** Based on OSHA 1910. 1200 and IARC study requirements, this product does not require labeling. Meets EU requirement of less than 3%(w/w)DMSO extract for total polycyclic aromatic compound(PAC) using IP 346. NTP and OSHA do not list this product as a potential carcinogen.

**Mutagenicity :** This product gives negative mutagenic results from Modified Ames Assay.

**Medical Conditions Aggravated by Long-Term Exposure:** Personnel with pre-existing skin disorders should avoid contact with this product.

## Section 4 - First Aid Measures

**Eye Contact:** Flush eyes with large amounts of water for 15 minutes. If eye irritation develops or persists get medical help.

**Skin Contact :** Remove contaminated clothing. Wash affected area with a waterless hand cleaner, and/or soap and water. If irritation persists, consult a physician.

**Inhalation :** Remove to fresh air. Get medical attention if symptoms persist.

**Aspiration :** If there is any suspicion of aspiration into the lungs obtain medical advice.

**Ingestion :** If the material is swallowed, get immediate medical attention or advice- Do not induce vomiting.

**Notes to Physician:** This material, if aspirated into the lungs, may cause chemical pneumonitis; treat the affected person appropriately.

## Section 5 - Fire Fighting Measures

**Flash Point :**  $\geq 560^{\circ}\text{F}(\geq 293^{\circ}\text{C})$  , **Flash Point Method :** COC

**Burning Rate :** Not determined

**Autoignition Temperature :** Not determined.

**Lower Flammable Limit(LFL):**Not determined.

**Upper Flammable Limit(UFL) :** Not determined.

**Flammability Classification :** Not determined

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**Extinguishing Media :** Dry chemical, foam, carbon dioxide, and water fog. Water may be ineffective in fighting and oil fire unless used by experienced fire fighters.

**General Fire Hazards :** Fire and explosion hazards are moderate when this product is exposed to heat or flame.

**Hazardous Combustion Products :** Carbon monoxide and carbon dioxide. Decomposition of this product may yield oxides of sulfur and nitrogen. Decomposition of this product may yield oxides of phosphorus.

**Fire-Fighting Instruction and Equipment/Instructions :** Do not point solid water stream directly into burning oil to avoid spreading. Wear full set of protective equipment including chemical goggles and gloves.

## Section 6 - Accidental release Measures

**Containment Procedure:** Contain the discharge material. Eliminate all sources of ignition or flammables that may come into contact with a spill of this material.

**Clean-up Procedures:** Absorb with inert absorbent such as dry clay, sand or diatomaceous earth. Scoop up used absorbent into drums. Dispose of spent absorbent in an approved industrial waste landfill. Do not allow the spilled product to enter public drainage system or open water courses. Thoroughly wash the area after a spill or leak clean-up.

**Evacuation Procedures:** Isolate area. Keep unnecessary personal away.

**Special Instructions:** Wear appropriate protective equipment and clothing during clean-up. Surfaces may become slippery after spillage.

**Spill to Navigable Waters:** If this material is spilled into navigable waters and creates a visible sheen, it is reportable to the National Response Center.

## Section 7 - Handling and Storage

**Procedures for Handling:** Avoid getting this material into contact with your skin and eyes. Avoid the generation of oil mists. Wash hands after handling and before eating. Keep this product from heat, sparks, or open flame.

**Recommended Storage Methods:** Keep the container tightly closed and in a cool, well-ventilated place. When using this material, do not eat, drink or smoke. Do not store this material in open or unlabeled containers. Store away from strong oxidizers.

## Section 8 - Exposure Controls/Personal Protection

### Exposure Guidelines

A. General product Information- If oil mists are generated, observe the OSHA exposure limit of 5mg/m<sup>3</sup>.

B. Component Exposure Limits- No NIOSH or OSHA exposure guidelines listed for the Product's component.

**Engineering Controls:** Use general ventilation and use local exhaust, where possible, in confined or enclosed spaces.

**Eye/Face Protection:** Wear chemical goggles or a full face shield.

**Skin Protection:** Use impervious gloves for prolonged contact. Wear oil-impervious garments if contact is unavoidable. The use of neoprene gloves is recommended.

**Respiratory Protection:** If workplace exposure limit is exceeded use NIOSH-approved disposable dust/mist mask breathing apparatus for entry into confined space in the absence of proper environmental control.

**General:** Use good hygiene when handling petroleum product.

## Section 9 - Physical and Chemical Properties

**Physical State :** Liquid

**Appearance :** Clear & bright

**Color :** Dark amber

**Odor :** Hydrocarbon

**Odor Threshold :** Not available

**Vapor Pressure :** Not applicable

**Evaporation Rate :** Not applicable

**Vapor Density(Air=1) :** > 1

**Specific Gravity(H<sub>2</sub>O=1) :** 0.89

**Water Solubility(H<sub>2</sub>O) :** Nil

**Boiling Point :** IBP=850°F

**Melting Point :** Not determined

**% Volatile :** Nil(LVP-VOC)

**PH :** Not determined

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## Section 10 - Stability and Reactivity

**Chemical Stability:** Stable

**Hazardous Polymerization:** Hazard polymerization will not occur.

**Chemical Incompatibilities:** This product may react with strong oxidizing agents.

**Conditions to Avoid (Stability):** High temperatures and open flame.

**Hazardous Decomposition Products:** Carbon Dioxide, carbon monoxide, oxides of sulfur and nitrogen.

## Section 11 - Toxicological Information

**Acute Toxicity/ Target Organ Information:**

**A. General Product/Component Information**

Product may be irritating to the skin, eyes and respiratory system. Repeated skin contact with this product may cause dermatitis or an oil acne. Excessive inhalation of oil mist may cause accumulation of mineral oil in the lungs accompanied by pulmonary fibrosis.

**B. Component LD50/LC50-** No data available for product.

**Epidemiology:** No data available for product.

**Carcinogenicity:**

**A. General Product/Component Information-** No data available on the product as a whole. Prolonged and repeated skin contact with some mildly treated or untreated mineral oils have produced skin cancer in laboratory animals. Note that USED oils tend to contain higher amounts of the cancer-causing aromatics, which have been linked to scrotal and lung cancer in humans.

**B. Component Carcinogenicity Listings-** None of this product' s components are listed by ACGIH, IARC, NIOSH, NTP or OSHA.

**Teratogenicity/Reproductive Effects:** No data available for the product as a whole.

**Neurotoxicity:** High vapor/aerosol concentrations (attainable only at elevated temperatures) may cause central nervous system effects such as dizziness, drowsiness or headaches.

**Mutagenicity:** No data available on this product as a whole.

**Other Information:** No information available.

## Section 12 - Ecological Information

**Ecotoxicity :** No information is available on ecotoxicity of this product. Keep product out of sewers and waterways.

**Environmental :** No information is available.

## Section 13 - Disposal Considerations

**U. S. EPA Waste Number & Descriptions:**

**A. General Product Information-** Material, if discarded, is not expected to be a Characteristic hazardous waste under RCRA. All waste must be handled in accordance with local, state and federal regulations.

**B. Component Waste Numbers-** No EPA Waste Numbers are applicable for this product's components.

**Disposal Instructions:**

Dispose of waste material according to Local, State, Federal and Provincial Environmental Regulation.

## Section 14 - Transport Information

**Proper Shipping Name :** Not regulated as a hazardous material.

**Hazard Class :** Not regulated

**DOT ID No. :** Not regulated

**Packing Group:** Not regulated

**DOT Shipping Label :** None required

**Additional Shipping Information:** Not regulated

**International Transportation Regulations:** Not regulated as dangerous goods.

## Section 15 - Regulatory Information

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### **U.S. Federal Regulatory Information :**

- A. General Product Information- No additional information.
- B. Component Information- None of this product's components are listed under SARA section 302 (40 CFR 355 Appendix A), SARA section 313 (40 CFR 372.65) or CERCLA (40 CFR 302.4). EPA/TSCA inventory: The components of this product are listed under CAS No. 64742-62-7

### **State Regulations:**

- A. General Product Information- No components require labeling under California Proposition 65.
- B. Component Information- None of this product's components are listed on the state lists from CA, FL, MA, MN, NJ, PA.

### **Other Regulations:**

- A. General Product Information- No additional information.
- B. Component Information- None of this product's components are listed on the Canadian Controlled Product Ingredient Disclosure List.

**Foreign Inventories :** The components of this product are listed under the following inventories :

1. **European Union's EINICS No. 265-166-0**
2. **Korea's ECL No. KE-30123**
3. **Australia's AICS No.64742-62-7**
4. **Canada's DSL No.:64742-62-7**
5. **Philippines PICCS.**

### **Disclaimer :**

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