SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

RB PAO 150 cSt

Product Name          RB PAO 150 cSt
Supplier              RB Products, Inc.
                      740 Bradfield Road
                      Houston TX 77060
                      Phone: 1 (281) 992-3500
                      Fax: (281) 992-7525

EMERGENCY INFORMATION

Transportation Emergency Phone (703) 527-3887 (CHEMTREC)
Product Technical Information (281) 992-3500
Website http://www.rbproductsinc.com
Other product information sales@rbproductsinc.com

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION
This product has been classified in accordance with the hazard communication standard 29 CFR 1910.1200; the SDS and labels contain all the information as required by the standard.

NOT A HAZARDOUS SUBSTANCE OR MIXTURE.

Emergency Overview
Form: Oil
Physical State: Liquid
Color: Clear, light.
OSHA HAZARDS: No OSHA Hazards

LABELING
Not a hazardous substance or mixture.

CARCINOGENICITY:
IARC No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
NTP No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
ACGIH No ingredient of this product present at levels greater than or equal to 0.1% is identified as carcinogen or potential carcinogen by ACGIH.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms: Polyalphalolefin; PAO
Molecular formula: Polymer

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS#</th>
<th>Weight%</th>
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<tbody>
<tr>
<td>1-Octene Homopolymer, Hydrogenated</td>
<td>70693-43-5</td>
<td>100</td>
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</tbody>
</table>

Contains no hazardous ingredients according to GHS.

SECTION 4: FIRST AID MEASURES
General Advice
Do not leave the victim unattended.
If inhaled
If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
In case of skin contact
Wash off with soap and water. Wash contaminated clothing before re-use.
In case of eye contact
Remove contact lenses, if any. Protect unharmed eye. If eye irritation persists, consult a specialist.
If swallowed
Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

SECTION 5: FIREFIGHTING MEASURES

Flash Point: 276°C (530°F) [ASTM D-92]
Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Specific Hazards During Fire Fighting: Exposure to decomposition products may be a hazard to health.
Special Protective Equipment for Fire-Fighters: Wear self-contained breathing apparatus for firefighting if necessary.
Further Information: Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Fire and Explosion Protection: Normal measures for preventive fire protection.
Hazard Decomposition Products: Carbon Oxides.

SECTION 6: ACCIDENTAL RELEASE MEASURE

Personal Precautions: Material can create slippery conditions.
Environmental Precautions: Clean contaminated floors and objects thoroughly while observing environmental regulations.
Methods for Cleaning Up: Wipe up with absorbent material (e.g. cloth, fleece). Keep in suitable closed containers for disposal.

SECTION 7: HANDLING AND STORAGE

HANDLING
Advice on Safe Handling: For personal protection see Section 8. Smoking, eating and drinking should be prohibited in the application area.
Advice on Protection against Fire and Explosion: Normal measure for preventive fire protection.

STORAGE
Requirements for Storage Areas and Containers: Electrical installations/working materials must comply with the technological safety standards.
Advice on common storage: No materials to be especially mentioned.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING MEASURES
Consider the potential hazards of this material (see Section 2), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to handful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions.
and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: Wear a supplied-air NIOSH approved respirator unless ventilation or other engineering controls are adequate to maintain minimal oxygen content of 19.5% by volume under normal atmospheric pressure.

Hand Protection: The suitability for a specific workplace-should be discussed with the producers of the protective gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Eye Protection: Eye wash bottle with pure water. Tightly fitting safety goggles.

Skin and Body Protection: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. Wear as appropriate. Lightweight protective clothing.

Hygiene Measure: General industrial hygiene practice. Prevent vapor buildup by providing adequate ventilation during and after use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>APPEARANCE</th>
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</thead>
<tbody>
<tr>
<td>Form</td>
<td>Oil</td>
<td></td>
</tr>
<tr>
<td>Physical state</td>
<td>Liquid</td>
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</tr>
<tr>
<td>Color</td>
<td>Bright and clear</td>
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<table>
<thead>
<tr>
<th>SAFETY DATA</th>
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<tbody>
<tr>
<td>Flash Point</td>
<td>250°C (482°F), Method: ASTM D-92</td>
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<tr>
<td>Ignition Temperature</td>
<td>310°C (590°F)</td>
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<tr>
<td>Lower Explosion Limit</td>
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<td></td>
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<tr>
<td>Upper Explosion Limit</td>
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<td></td>
</tr>
<tr>
<td>Thermal decomposition</td>
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<td></td>
</tr>
<tr>
<td>Freezing point</td>
<td>&lt;-39°C (&lt;-38°F)</td>
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</tr>
<tr>
<td>Viscosity, cSt at 40°C</td>
<td>1700 cSt</td>
<td></td>
</tr>
</tbody>
</table>

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

POSSIBILITY OF HAZARDOUS REACTIONS

Thermal decomposition: No data available.

Hazardous decomposition products: Carbon oxides.

Other data: No decomposition if stored and applied as directed.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Oral Toxicity: LD50: >5,000 mg/kg
Species: Rat
Information given is based on data obtained from similar substances.

Acute Inhalation Toxicity: LCSO: >5 mg/l
Exposure time: 4h  
Species: Rat  
Test Atmosphere: Dust/Mist  
Information given is based on data obtained from similar substances.

**Acute Dermal Toxicity**  
LD50: >2000 mg/kg  
Species: Rat  
Information given is based on data obtained from similar substances.

**Skin Irritation**  
No Skin Irritation  
Information given is based on data obtained from similar substances.

**Eye Irritation**  
No Eye Irritation  
Information given is based on data obtained from similar substances.

**Sensitization**  
Did not cause sensitization on laboratory animals.  
Information given is based on data obtained from similar substances.

### SECTION 12: ECOLOGICAL INFORMATION

**ELIMINATION INFORMATION (PERSISTENCE AND DEGRADABILITY)**  
Biodegradability:  
This Material is not expected to be readily biodegradable.

**ECOTOXICOLOGY ASSESSMENT**  
Acute aquatic toxicity:  
This product has no known ecotoxicological effects.

### SECTION 13: DISPOSAL CONSIDERATIONS

The information in this SDS pertains only to the product as shipped.

Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined--by US EPA under RCRA (40 CFR 261) or other State and local regulations. Measurement of certain physical properties and analysis for regulated components may be necessary to make a correct determination. If this material is classified as a hazardous waste, federal law requires disposal at a licensed hazardous waste disposal facility.

**Product**  
Dispose of wastes in an approved waste disposal facility.

**Contaminated packaging**  
Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.

### SECTION 14: TRANSPORT INFORMATION

The shipping descriptions shown here are for bulk shipments only, and may not apply to shipments in non-bulk packages (see regulatory definition).

Consult the appropriate domestic or international mode-specific and quantity-specific Dangerous Goods Regulations for additional shipping description requirements (e.g., technical name or names, etc.) Therefore, the information shown here, may not always agree with the bill of lading shipping description for the material. Flashpoints for the material may vary slightly between the SDS and the bill of lading.

**US DOT (UNITED STATES DEPARTMENT OF TRANSPORTATION)**  
NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOOD FOR TRANSPORTATION BY THIS AGENCY.

**IMO /IMDG (INTERNATIONAL MARITIME DANGEROUS GOODS)**  
NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

**IATA (INTERNATIONAL AIR TRANSPORT ASSOCIATION)**
NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

**ADR (AGREEMENT ON DANGEROUS GOODS BY ROAD (EUROPE))**
NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

**RID (REGULATIONS CONCERNING THE INTERNATIONAL TRANSPORT OF DANGEROUS GOODS (EUROPE))**
NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

**ADN (EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY INLAND WATERWAYS)**
NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code.

### SECTION 15: REGULATORY INFORMATION

**NATIONAL LEGISLATION**

**SARA 311/312 Hazards**
No SARA Hazards

**EPCRA – EMERGENCY PLANNING COMMUNITY RIGHT-TO-KNOW**

**CERCLA Reportable Quantity**
This material does not contain any components with a CERCLA RQ.

**SARA 302 Reportable Quantity**
This material does not contain any components with a SARA 302 RQ.

**SARA 302 Threshold Planning Quantity**
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 304 Reportable Quantity**
This material does not contain any components with a section 304 EHS RQ.

**SARA 313 Ingredients**
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**CLEAN AIR ACT**

**Ozone-Depletion Potential**
This product neither contains, nor was manufactured with a Class I or Potential Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App. A + B).

*This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).*

*This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).*

*This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC’s (40 CFR 60.489).*

**US STATE REGULATIONS**

**Pennsylvania Right To Know**
No components are subject to the Pennsylvania Right to Know Act.

**New Jersey Right To Know**
No components are subject to the New Jersey Right to Know Act.

**California Prop. 65 Ingredients**
This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

### NOTIFICATION STATUS

RB PAO 150 cSt
Europe REACH: This mixture contains only ingredients which have been registered according to Regulation (EU) No. 1907/2006 (REACH).
Switzerland CH INV: On the inventory, or in compliance with the inventory.
United States of America TSCA: On TSCA Inventory
Canada DSL: All components of this product are on the Canadian DSL.
Australia AICS: On the inventory, or in compliance with the inventory
New Zealand NZIoC: On the inventory, or in compliance with the inventory
Japan ENCS: On the inventory, or in compliance with the inventory
Korea KECI: On the inventory, or in compliance with the inventory
Philippines PICCS: On the inventory, or in compliance with the inventory

SECTION 16: OTHER INFORMATION

Hazardous Materials Information System (USA) National Fire Protection Association (USA)

| Health Hazard | 0 |
| Fire Hazard   | 1 |
| Reactivity Hazard | 0 |

The information in this SDS pertains only to the product as shipped.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

Notice: This Safety Data Sheet is based upon data considered to be accurate at the time of its preparation. Despite our efforts, it may not be up to date or applicable to the circumstances of any particular case. We are not responsible for any damage or injury resulting from abnormal use, from any failure to follow appropriate practices or from hazards inherent in the nature of the product. This Safety Data Sheet conforms to the requirements of ANSI Z400 1.