

---

**MATERIAL SAFETY DATA SHEET**

---

Page 1 of 4  
Revised 8/10/04  
Replaces 8/10/04  
Printed 8/11/04

**UNIT OIL-320****MSDS ID: 11118**

---

---

**I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

---

Product Name: UNIT OIL-320

Product Discriptor: Gear Oil

MANUFACTURER: JOHNSON DIVERSEY, INC.  
3630 E. KEMPER ROAD  
CINCINNATI, OH. 45241

EMERGENCY PHONE NUMBER: (800)851-7145

---

**II. HAZARDOUS COMPONENTS**

---

| Component Name     | CAS Number | %    | Exposure Limits                   | Units |
|--------------------|------------|------|-----------------------------------|-------|
| PETRO. HYDROCARBON | 64742-54-7 | >30% | TWA 5 STEL 10 (oimG/M3<br>l mist) |       |

---

---

**III. HAZARDS IDENTIFICATION**

---

**EMERGENCY OVERVIEW:**

CAUTION-Contains petroleum distillates that may cause eye irritation. May be harmful if swallowed. Avoid contact with eyes or clothing. Prolonged contact with undiluted product may cause defatting of skin. Avoid breathing mists which may cause respiratory irritation. Contain spill and runoff to prevent any environmental damage.

POSSIBLE ROUTES OF ENTRY: Ingestion, Skin and Inhalation.

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

ACUTE: EYES: Irritation with pain, swelling and redness may develop. SKIN: Irritation or dryness develop with long contact. INGESTION: If swallowed, gastric distress, diarrhea, nausea or vomiting may occur. If vomiting occurs, petroleum distillates may be inhaled into the lungs and cause chemical pneumonia. INHALATION: Overexposure to vapors may cause dizziness, headache, fatigue and respiratory irritation.

CHRONIC: Same as Acute Effects.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Dermatitis and sensitive skin.

TARGET ORGAN(S) OF CHEMICAL HAZARD(S): Eyes and skin.

---

**IV. FIRST AID MEASURES**

---

EYES: IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.

SKIN: Flush thoroughly with plenty of water. Wash with soap and water. Remove contaminated clothes and shoes and clean before reuse. Get medical attention for any painful, red or injured skin.

INGESTION: Contains petroleum distillates. Do not induce vomiting because of aspiration hazard. Do not give liquids by mouth except by order of a physician. Contact a physician or Poison Center.

INHALATION: Remove to fresh air. If breathing difficulties arise, get medical

---

**MATERIAL SAFETY DATA SHEET**

---

Page 2 of 4  
Revised 8/10/04  
Replaces 8/10/04  
Printed 8/11/04

**UNIT OIL-320**

**MSDS ID: 11118**

---

---

**IV. FIRST AID MEASURES (Cont.)**

---

attention.

---

---

**V. FIRE FIGHTING MEASURES**

---

FLASH POINT (degrees F): 420 FLAME EXTENSION: N/A  
FLAMMABLE LIMITS IN AIR BY VOLUME: LEL: N/A UEL: N/A  
UNUSUAL FIRE OR EXPLOSIVE HAZARDS: Product may burn if liquid is evaporated by heat or fire.  
EXTINGUISHING MEDIA: Water spray, CO2, foam or dry powder.  
FIRE FIGHTING INSTRUCTIONS: Wear full protective gear and positive pressure breathing apparatus (SCBA) in fire area.  
SPECIAL INSTRUCTIONS: Vapors may be heavier than air and may travel along the ground to a distant ignition source and flash back to the container causing a possible fire or explosion.

---

---

**VI. ACCIDENTAL RELEASE MEASURES**

---

IF MATERIAL IS RELEASED OR SPILLED:  
Contain the spill. Prevent spill from entering sewer. Recover free liquid and/or collect with inert oil absorbent. Place absorbent into metal container for disposal. Clean spill area with detergent or solventized cleaner. Dispose of waste in accordance with environmental regulations.  
This product does not contain a reportable quantity (RQ) under CERCLA.

---

---

**VII. HANDLING AND STORAGE**

---

HANDLING AND STORAGE PRECAUTIONS: Product may burn if heated above ignition point temperature. Do not store near heat, sparks or open flames. Keep container closed when not in use. Do not pressurize container to empty.

---

---

**VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION**

---

EYE/FACE PROTECTION: Safety glasses with side shields. Eye wash in use area if contact or splash hazard exists.  
PROTECTIVE GLOVES: Nitrile, Neoprene, or other oil resistant materials.  
RESPIRATORY PROTECTION: Respirator protection required if PEL is exceeded. See Section II for information.  
OTHER PROTECTIVE CLOTHING/EQUIPMENT: Not normally required.  
ENGINEERING CONTROLS:  
MECHANICAL VENTILATION: Normal room ventilation should be sufficient to control airborne levels.  
LOCAL VENTILATION: Not usually required.

---

---

**IX. PHYSICAL AND CHEMICAL PROPERTIES**

---

APPEARANCE AND ODOR: Greenish-brown liquid with hydrocarbon odor.

|                                      |                                |
|--------------------------------------|--------------------------------|
| BOILING POINT (DEG F): N/A           | FREEZING POINT: Not determined |
| SPECIFIC GRAVITY/BULK DENSITY: 0.892 |                                |
| pH: N/A                              | pH 1% SOLUTION: N/A            |

---

**MATERIAL SAFETY DATA SHEET**

---

Page 3 of 4  
Revised 8/10/04  
Replaces 8/10/04  
Printed 8/11/04

**UNIT OIL-320****MSDS ID: 11118**

---

---

**IX. PHYSICAL AND CHEMICAL PROPERTIES (Cont.)**

---

VOLATILE BY VOLUME: 0  
SOLUBILITY IN WATER: Insoluble  
VAPOR PRESSURE(mmHg): N/D at N/A VAPOR DENSITY: >Air

---

---

**X. STABILITY AND REACTIVITY**

---

CHEMICAL STABILITY: Product stable.  
INCOMPATIBILITY WITH OTHER MATERIALS: Strong acids, strong oxidizers.  
HAZARDOUS DECOMPOSITION PRODUCTS: Incomplete combustion forms oxides of carbon.  
HAZARDOUS POLYMERIZATION: None known.

---

---

**XI. TOXICOLOGICAL INFORMATION**

---

Any hazardous effects of the product mixture are based on information for each chemical part. See Section II for amounts of hazardous materials.  
TOXICITY TEST DATA:  
No data available.

---

---

**XII. ECOLOGICAL INFORMATION**

---

ECOTOXICITY DATA: Contains petroleum chemicals which are water insoluble. Do not discharge waste or unused product to sanitary sewer, ponds, waterways or the environment. Dispose of by label or governmental regulations.  
ECOTOXICITY TEST DATA: No data available.  
ENVIRONMENTAL FATE: No data available.

---

---

**XIII. DISPOSAL CONSIDERATIONS**

---

RCRA REGULATED: Not Regulated.  
Contains petroleum products. Do not discharge to water or sewer. Arrange waste disposal through a licensed disposal company. Dispose of or recycle empty container by product labeling or governmental regulations.

---

---

**XIV. TRANSPORT INFORMATION**

---

Please refer to the Bill of Lading/receiving documents for up to date shipping information.

---

---

**XV. REGULATORY INFORMATION**

---

U.S. Federal Regulations:  
TSCA: All ingredients in this product are on TSCA inventory.  
HAPS: Contains no hazardous air pollutants.  
VOC CONTENT (EPA Method 24A): % VOC: 0 Lb/Gal VOC: 0  
CERCLA/EPCRA:  
Section 313 Toxic Chemicals: None  
SARA Section 311/312:  
ACUTE:YES CHRONIC:NO FIRE:NO REACTIVITY:NO  
SUDDEN RELEASE OF PRESSURE:NO

---

MATERIAL SAFETY DATA SHEET

Page 4 of 4  
Revised 8/10/04  
Replaces 8/10/04  
Printed 8/11/04

**UNIT OIL-320**

**MSDS ID: 11118**

---

---

**XV. REGULATORY INFORMATION (Cont.)**

---

LISTED CARCINOGEN: None

NTP: No IARC: No OSHA: No

HMIS RATINGS: HEALTH: 1 FIRE: 1 REACTIVITY: 0

PERSONAL PROTECTIVE EQUIPMENT: B

NFPA RATING: HEALTH: 1 FIRE: 1 REACTIVITY:0 SPECIAL:

STATE RIGHT-TO-KNOW INFORMATION:

ALL CHEMICAL INGREDIENTS ARE LISTED ON THE TSCA INVENTORY

STATE RIGHT TO KNOW DATA:

NEW JERSEY: PETROLEUM PRODUCT (OIL)

PENNSYLVANIA: FORMULA TRADE SECRET

CALIFORNIA PROPOSITION 65:

None of the ingredients are on the California proposition 65 list.

---

---

**XVI. OTHER INFORMATION**

---

DISCLAIMER: The information contained in this material safety data sheet is based on the knowledge of this specific product and current national legislation. It applies to the product as sold, use dilutions may be less hazardous. It may not be valid for this material if used in combination with any other materials or in a process. It is the user's responsibility to evaluate the handling, and use.