

MATERIAL SAFETY DATA SHEET

Date Issued: 01/01/05

SECTION A - IDENTIFICATION & EMERGENCY INFORMATION

Manufacturer's Name: BP Lubricants USA Inc.
Emergency Telephone Number: 410/574-5000
800/777-1466

Address: 9300 Pulaski Highway
Baltimore, MD 21220

PRODUCT NAME: Castrol Open Gear 3330

PART NUMBER: 5120

Chemical Name: Lubricating Grease

Chemical Family: Hydrocarbon

CAS Number: See Section B

Product Appearance & Odor: Black Smooth
Semi-Sweet

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM (HMIS)

Health - 1 Flammability - 2 Reactivity - 0

Hazard Rating: Least-0 Slight-1 Moderate-2 High-3 Extreme-4

SECTION B - COMPONENTS & HAZARD INFORMATION

Table with 3 columns: COMPONENTS, CAS NO. OF COMPONENTS, APPROXIMATE CONCENTRATION. Rows include Mineral Oil, Kerosene, Glycol Ether, and Proprietary Additives.

This product contains no known carcinogens as defined by OSHA or IARC. This product does not contain any toxic chemicals subject to the reporting requirements of Section 313(SARA)(40 CFR 372).

SECTION C - PHYSICAL DATA (THE FOLLOWING DATA ARE APPROXIMATE OR TYPICAL VALUES.)

Boiling Range: 440°F
Percent Volatile by Volume:20-25%
Specific Gravity (H2O=1): 0.86 @ 16°C
Vapor Pressure: N/A
Pour Point: N/A
Vapor Density: N/A
Viscosity: N/A
Evaporation Rate: N/A
pH: N/A
Solubility in Water: Negligible

SECTION D - FIRE PROTECTION INFORMATION

FLASH POINT & METHOD: 210°F

AUTOIGNITION TEMPERATURE: 360°F

ASTM D-92 C.O.C.

Extinguishing Media: CO2, Dry Chemical, Earth and Sand.

HANDLING PRECAUTIONS: Keep away from ignition sources, such as heat, sparks, pilot lights, and open flames.

NATIONAL FIRE PROTECTION ASSOCIATION

(NFPA)-Hazard Identification

Health - 2

Flammability - 2

Reactivity - 0

Basis: Recommended by BP Lubricants USA Inc.

Hazard Rating (NFPA):

4-Extreme 3-High 2-Moderate

1-Slight 0-Insignificant

Special Fire Fighting Procedures: Water may cause frothing.

UNUSUAL FIRE & EXPLOSION HAZARDS:

Temperature Other: Ignition sources

Flammability Limits (% by volume in air):

Lower: N/A Upper: N/A

## SECTION E - REACTIVITY DATA

Stability: Stable

Incompatibility - Avoid contact with strong oxidizers.

Hazardous Decomposition Products - Thermal and Other: CO & CO<sub>2</sub> if incomplete combustion.

Conditions to Avoid - Open flames, Sparks, Ignition Sources

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## SECTION F - HEALTH HAZARD INFORMATION

### Toxicity Information;

Conditions to avoid - Excessive contact

Primary Routes of Entry - Skin Contact

### Effects of Exposure:

Permissible Exposure Limit(specify if TLV/TWA or ceiling[c]) - OSHA 1993 5mg/m<sup>3</sup> for Mineral Oil.

### Irritation:

Skin - Mild(transient)

Eye - Mild(transient)

Corrosivity: Not corrosive

Sensitization - None

Lung Effects - Unknown

Other(Specify) - Repeated contact - skin defatter

### Emergency First Aid:

Ingestion: Do **NOT** induce vomiting. Get medical attention.

Dermal: Flush with soap and water. Contaminated clothing, remove and launder.

Eye Contact: Flush with plenty of water for at least 15 minutes. Get medical attention.

Inhalation: Remove to fresh air.

Other (specify): Unknown

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## SECTION G - SPECIAL PROTECTION INFORMATION

Ventilation Requirements - Always maintain exposure below permissible exposure limits. Use with adequate ventilation.

Eye - Face shield

Hand Glove Type - Neoprene, Polyvinyl Chloride, Poly-ethylene.

Respirator Type - Use only NIOSH/MESA approved equipment. Can or cartridge as or vapor.

Other protection equipment - None normally required. Special Precautionary Notes: Wash thoroughly after handling. Do not get into eyes, or on clothing. Keep container closed. Keep away from sparks, and open flames.

Other handling and storage conditions: Store in cool dry areas.

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## SECTION H - SPILL OR LEAK PROCEDURE

Steps to be taken if material is released or spilled: Absorb with sand or inert material. Sweep or scoop up and remove.

Waste Disposal Method - Consult federal, state or local authorities for proper disposal procedures. **ALL DISPOSALS MUST COMPLY THE FEDERAL, STATE AND LOCAL REGULATIONS.**

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## SECTION I - SHIPPING INFORMATION

Not restricted (Finished product is not combustible). Contains Kerosene 3, UN 1223, III.