

GOLDEN BEAR OIL SPECIALTIES

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: CYCLOLUBE 2310®

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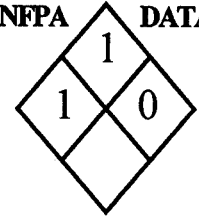
HMIS DATA

H	1
F	1
R	0
PP	

NFPA and HMIS Hazard Rating

4 = Extreme	1 = Slight
3 = High	0 = Insignificant
2 = Moderate	

NFPA DATA



COMPANY NAME AND LOCATION - SECTION I

COMPANY: Golden Bear Oil Specialties.

LOCATION: P.O. Box 5446, 1134 Manor Street, Oildale, CA 93388-5446.

EMERGENCY TELEPHONE NUMBER: (805) 393-7110.

TRANSPORTATION EMERGENCY: CHEMTREC (800) 424-9300 (U.S. and Canada).

CHEMICAL AND PHYSICAL PROPERTIES - SECTION II

CHEMICAL NAME: Petroleum Hydrocarbon.

FORMULA: Not Applicable.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon monoxide and carbon dioxide from burning.

Oxides of nitrogen.

Oxides of sulfur.

INCOMPATIBILITY (Keep away from):

Strong oxidizers such as hydrogen peroxide, bromine, and chromic acid.

TOXIC AND HAZARDOUS INGREDIENTS:

Solvent refined heavy naphthenic distillate (petroleum)
(if used in an application where a mist may be generated.)

CAS NUMBER

64741-96-4

FORM: Oily Liquid.

ODOR: No objectionable odor.

APPEARANCE:

COLOR:

SPECIFIC GRAVITY (water = 1): 0.89 to 0.99.

BOILING POINT: Greater than 288°C (550°F).

MELTING POINT: Not applicable.

SOLUBILITY IN WATER (by weight %): 0.

VOLATILE (by weight %): Less than 0.01 at 25°C.

EVAPORATION RATE (water = 1): Less than 0.01.

VAPOR PRESSURE (mm Hg at 20°C): Less than 1.0.

VAPOR DENSITY (air = 1): No data available.

pH (as is): Not applicable.

STABILITY: Product is stable under normal conditions.

VISCOSITY (SUS at 100°F): Greater than or equal to 100.

OTHER PHYSICAL PROPERTIES: Viscosity greater than or equal to 18.6 cSt at 40°C.

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FIRE AND EXPLOSION DATA - SECTION III

SPECIAL FIRE FIGHTING PROCEDURES: Avoid use of water.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Dense smoke. Fire fighters should wear an approved self-contained breathing apparatus.

FLASHPOINT (method used): Cleveland Open Cup - greater than 149°C (300°F).

FLAMMABLE LIMITS, %: No data available.

EXTINGUISHING AGENTS:

Drychemical, Waterspray, CO₂ or Foam.

Water may cause frothing.

Water may be ineffective.

Closed containers exposed to fire may be cooled with water.

HEALTH HAZARD DATA - SECTION IV

PERMISSIBLE CONCENTRATIONS (air):

If used in applications where a mist may be generated, observe a TWA/PEL of 5 mg/m³ for mineral oil mist (OSHA and ACGIH).

CHRONIC EFFECTS OF OVEREXPOSURE:

Prolonged or repeated skin contact may cause dermatitis (skin irritation).

This product is not listed as, or anticipated to be, a potential carcinogen by the National Toxicology Program (NTP), International Agency for Research on Cancer (IARC) or the Occupational Safety and Health Administration (OSHA).

ACUTE TOXICOLOGICAL PROPERTIES:

No data available.

EMERGENCY FIRST AID PROCEDURES:

Eyes: Immediately flush with large quantities of water for at least 15 minutes and call a physician.

Skin Contact: Wash with soap and water.

Inhalation: Remove victim to fresh air.

If Swallowed: Contact a physician immediately.

ROUTES OF ENTRY: Ingestion and, if a mist is generated, inhalation.

TARGET ORGAN(S): Skin. Respiratory tract if a mist is generated (the respiratory tract may become irritated).

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Persons susceptible to dermatitis (skin rash) may aggravate their condition by skin contact with this product.

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SPECIAL PROTECTION INFORMATION - SECTION V

VENTILATION TYPE REQUIRED (local, mechanical, special): Local if necessary to maintain allowable PEL (permissible exposure limit) or TLV (threshold limit value).

RESPIRATORY PROTECTION (specify type): Use NIOSH/MSHA certified respirator with organic vapor cartridge if vapor concentration exceeds permissible exposure limit.

PROTECTIVE GLOVES: Oil resistant.

EYE PROTECTION: Chemical safety goggles and, if handled hot, full face shield.

OTHER PROTECTIVE EQUIPMENT: None.

HANDLING OF SPILLS OR LEAKS - SECTION VI

PROCEDURES FOR CLEAN-UP: In case of spill or leak absorb on an inert material such as earth, sand or vermiculite; sweep up and dispose of in accordance with federal, state and local regulations. If spilled into water, remove bulk of the product by skimming. If spilled into a navigable waterway and a film, sheen or discoloration of any water surface is noted, the spill must be reported to the National Response Center by calling (800) 424-8802.

WASTE DISPOSAL: Dispose of in accordance with all applicable federal, state and local regulations.

SPECIAL PRECAUTIONS - SECTION VII

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Avoid prolonged or repeated contact with skin or breathing of vapors, mists or fumes. Launder contaminated clothing before reuse. Keep containers tightly closed. Avoid strong oxidizers. Eliminate all sources of ignition such as flames or sparks.

TRANSPORTATION DATA - SECTION VIII

D.O.T.: Not regulated.

REPORTABLE QUANTITY: Not applicable.

FREIGHT CLASSIFICATION: 65 Petroleum Oil, n.o.i.b.n.

SPECIAL TRANSPORTATION NOTES: None.

ENVIRONMENTAL/SAFETY REGULATIONS - SECTION IX

SECTION 313 (TITLE III SUPERFUND AMENDMENT AND REAUTHORIZATION ACT):

This product does not contain any chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

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COMMENTS - SECTION X

Observe good industrial hygiene and safety precautions when handling this product.

PREPARED BY: J. L. Davis

TITLE: Laboratory Director.

ORIGINAL DATE: 07/16/97.

REVISION DATE: 07/16/97.

SUPERSEDES:

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use.