

Lubrication Specialties Corporation
Carnation, Washington USA
MATERIAL SAFETY DATA SHEET

PB&J460BG, Formula 2 Chelesic Biodegradable Pin, Bearing & Journal Oil
PB&J460BGLP, Formula 1 Chelesic Low Pour Biodegradable Pin, Bearing & Journal Oil

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<u>CAS No. (Not assigned)</u>	<u>Hazard Rating</u>	<u>Product Rating</u>
	4 – Extreme	Fire = 1
	3 – High	Health = 0
	2 – Moderate	Reactivity = 0
	1 – Slight	Special =
	0 – Insignificant	

COMPANY DATA AND LOCATION – SECTION I

Lubrication Specialties Corporation
32610 NE 32nd Street. (mailing) P.O. Box 117
Carnation, Washington 98014

Emergency Telephone Number: 425-623-5925
Transportation Emergency: Chemtrec 1-(800) 424-9300 (U.S. and Canada)

CHEMICAL AND PHYSICAL PROPERTIES – SECTION II

Chemical Name: Fixed Oil (Fats and Triglycerides)

Formula: Fixed Oil blend (CAS above). This product is a mixture. Specific chemical identity of the additives, their CAS numbers and their exact percent of composition are proprietary to Lubrication Specialties Corporation and are being withheld as Trade Secrets.

Hazardous Decomposition Products: Carbon monoxide and carbon dioxide from burning and other carbon oxides from incomplete combustion of the product

Incompatibility (keep away from): Strong oxidizers such as hydrogen peroxide, bromine and chromic acid.

Toxic and Hazardous Ingredients: None

Form: Liquid

Odor: fatty

Appearance: viscous liquid

Color: translucent golden honey

Specific Gravity (water = 1): 0.93

Boiling Point: Not applicable

Melting Point: 0° C (32° F)

Solubility in Water (by weight %): 0

Volatile (by weight %): 0

Evaporation Rate: 0

Vapor Pressure (mm Hg @ 25° C): Less than N-butyl acetate reference

Vapor Density (air = 1): Not applicable

pH (as is): Not applicable

Stability: Product is stable under normal conditions

Viscosity SUS @ 100° F: Greater than or = to 2000

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FIRE AND EXPLOSION DATA – SECTION III

Special Fire Fighting Procedures: Do not use water except as fog

Unusual Fire and Explosion Hazards: Do not cut, weld, braze, solder, drill, grind or expose containers, drums, tanks, etc. of product to heat, flame, sparks, static electricity or other source of ignition; they may ignite explosively.

Flashpoint (Method used): Cleveland Open Cup 224° C (435° F)

Flammable Limits %: Not applicable

Extinguishing Agents: Drychemical or Waterfog or CO₂ or foam.

HEALTH HAZARD DATA – SECTION IV

Permissible Concentration (air): See COMMENTS Section

Chronic Effects of Overexposure: No data available

Acute Toxicological Properties: No data available

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

Skin Contact: Wash with soap and water. For contact with hot molten material, cool burned skin area by immersing in cold water or apply cold water.

Inhalation: Remove victim to fresh air. Call physician.

If Swallowed: Contact a physician immediately.

SPECIAL PROTECTION INFORMATION – SECTION V

Ventilation Type Required (Local, mechanical, special): See COMMENTS Section

Respiratory Protection (Specify type): None

Protective Gloves: Heat protective impervious gloves when handling molten product.

Eye Protection: Chemical safety goggle and full face shield

Other protective Equipment: Heat protective attire suggested, if handled hot.

HANDLING OF SPILLS OR LEAKS – SECTION VI

Procedures for Clean-Up: Transfer bulk of mixture into another container. Absorb residue with an inert material such as earth, sand or vermiculite. Sweep up and dispose as solid waste in accordance with local, state and federal regulations.

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PRELIMINARY MATERIAL SAFETY DATA SHEET

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SPECIAL PRECAUTIONS – SECTION VII

Precautions To Be Taken in Handling and Storage: Handling and storage will likely be at ambient temperature. Take suitable precautions to prevent spills and lifting injuries

TRANSPORTATION DATA – SECTION VIII

D.O.T.: Not regulated

Reportable Quantity: None

Freight Classification: Fixed Oil Type Lubricating Oil

Special Transportation Notes: None

COMMENTS

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).

BIODEGRADABILITY/TOXICITY

This lubricant has passed the OECD 301B test for biodegradability by exceeding 60% biodegradation within a 10 day window during the 28 day test. Biodegradability as defined in the OECD 301 B “Readily Biodegradable” test requires >60% degradation (ultimate fate) within a 10 day window during a 28 day test. Ultimate fate is defined as the break down of the lubricant to give CO₂, H₂O and inorganic salts.

This lubricant is non-toxic and exhibits no impairment of normal bacterial activity.

Prepared by: William L. Petitjean, P.E.

Title: President

Original Date: September 29, 2006

Revised June 30, 2013