

Phil

Material Safety Data Sheet

01 August 2010

Identification

Product Name: Phil Bio-Lube
Chemical Name: (Trade Secret)

Ingredients: (Trade Secret) Plant Based Lubricant

Physical Data:

Description	Appearance & Odor	Solubility in Water
Gold to Brown Liquid	Clear Oily Golden Liquid, Slight Odor	Low Solubility
Boiling Point	Vapor Density (Air = 1) At Ambient Temp.	Vapor Pressure (mm Hg.)
395° C	Not Determined	<2.0 @ 20° C
Melting Point	Specific Gravity	Evaporation Rate (Butyl Acetate = 1)
Not Applicable	0.88 to 0.89	< 0.01

Fire and Explosion Hazard Data

Flash Point:

> 212° C

Fire Fighting Media:

Dry chemical, water spray, CO₂, and foam.

Special Fire Fighting Procedures:

Avoid use of water, fire fighters should wear self-contained breathing apparatus.

Fire and Explosion Hazards:

Dense smoke. Soaked rags should be disposed of properly.

Flammable Limits; LEL; UEL:

NDA

Reactivity

Stability:

Stable under normal temperatures and pressure.

Incompatibilities:

Strong oxidizers. Use ONLY on METAL surfaces.

Decomposition:

Thermal decomposition products may include carbon monoxide, carbon dioxide, and other hydrocarbons.

Health Hazard Data

Health Hazards:

Skin contact: Prolonged exposure may cause irritation.

Inhalation: Not an expected route of exposure.

Eye contact: May cause slight irritation.

Ingestion: Do not ingest; ingestion may result in gastrointestinal irritation.

Emergency & First Aid Procedures:

Eyes: Flush with water and call a physician.

Skin: Wash with soap & water.

Inhalation: Remove to fresh air. If swallowed, contact physician immediately.

California Prop 65:

No California Proposition 65 chemicals are known to be present at or above the No Significant Risk level.

Precautions for Safe Handling and Use

In case of spill or leak, absorb on an inert material such as earth, sand or vermiculite.

If spilled into water, remove bulk of the oil by skimming.

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

Avoid prolonged or repeated contact with skin or breathing of vapors, mists or fumes.

Laundry contaminated clothing before reuse.

Keep containers tightly closed.

Avoid strong oxidizers.

Eliminate all sources of ignition such as flames or sparks.

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

Use ONLY on METAL surfaces.

Control Measures

Respiratory Protection:

If vapor concentration exceeds PEL, use a respirator with an organic vapor cartridge.

Ventilation:

Use local exhaust if necessary to maintain allowable PEL.

Protective Gloves:

Use oil resistant types.

Eye Protection:

Use chemical safety glasses.

Other Protective Clothing or Equipment:

None.

Work/Hygenic Practices:

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

Disclaimer

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