

Lubrication Specialties Corporation
MATERIAL SAFETY DATA SHEET

Sapon-A-Non680, 1000 & 1500 Green Velvet Steam Cylinder Oil

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|--------------------|----------------------|-----------------------|
| CAS No. 64742-01-4 | <u>Hazard Rating</u> | <u>Product Rating</u> |
| CAS No. 8052-42-4 | 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
36221 SE 25th Street (mailing) P.O. Box 1118
Fall City, Washington 98024

Emergency Telephone Number: 423-215-0684
Transportation Emergency: Chemtrec 1-(800) 424-9300 (U.S. and Canada)

CHEMICAL AND PHYSICAL PROPERTIES – SECTION II

Chemical Name: petroleum hydrocarbon

Formula: Bright Stock and Intermediate Petroleum Resin (CAS above) blended with additives that are non-hazardous/non-toxic. 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

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

Toxic and Hazardous Ingredients: None

Form: Viscous Liquid

Odor: bland

Appearance: viscous liquid

Color: Opaque Dark Green

Specific Gravity (water = 1): 0.9

Boiling Point: Greater than 338° C (640° F)

Melting Point: -12° C (10° F)

Solubility in Water (by weight %): 0

Volatile (by weight %): 0

Evaporation Rate: 0

Vapor Pressure (mm Hg @ 20° C): 0

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 100

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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 304° C (580° 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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SPECIAL PRECAUTIONS – SECTION VII

Precautions To Be Taken in Handling and Storage: Handling and storage will likely be at temperatures of 100° - 200° F. Exercise suitable precautions to avoid thermal burns.

TRANSPORTATION DATA – SECTION VIII

D.O.T.: Not regulated

Reportable Quantity: None

Freight Classification: Petroleum 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).

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

Title: President/Chief Engineer

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