BRAD PENN® SOLUBLE OIL WITH BIOCIDE **PRODUCT CODE: BP-7861**

NFPA HAZARD RATING
4 – Extreme
3 – High
2 – Moderate
1 – Insignificant

PRODUCT NFPA HAZARD RATING
Health – 0
Fire – 1
Reactivity - 0

DIVISION AND LOCATION---SECTION I

Division: LUBRICANTS AND SPECIALTY PRODUCTS DIVISION
Location: BRADFORD, PENNSYLVANIA
77 N. KENDALL AVE,BRADFORD,PA,16701
Emergency Telephone Number: (814) 368-1297
Transportation Emergency: CHEMTREC 1-(800) 424-9300 (U.S. and Canada)

CHEMICAL AND PHYSICAL PROPERTIES---SECTION II

Chemical Name: petroleum hydrocarbon plus additives
Formula : not applicable
Hazardous Decomposition Products:
carbon monoxide and carbon dioxide from burning. oxides of phosphorous from burning oxides of sulfur
Incompatibility (Keep away from):
strong oxidizers such as hydrogen peroxide, bromine, and chromic acid.

Product Components	CAS No.	% (Volume)
Mineral Oil	64742-52-5	80 - 90
Soluble Base	Mixture	10 – 20
Grotan	4719-04-4	>0.1

Form: liquid
Odor: slight sulfur
Appearance: liquid
Color: amber
Specific Gravity (water=1) : 0.90
Boiling Point: greater than 371°C (700°F)
Pour Point: less than -35C (-31F)
Solubility in Water (by weight %) : 100 at 20°C
Volatile (by weight %) : 0
Evaporation Rate: 0
Vapor Pressure (mm Hg at 20°C): 0
Vapor Density (air=1) : not volatile
pH (as is) : not applicable
Stability: Product is stable under normal conditions
Viscosity SUS at 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 sources of ignition; they may ignite explosively.

Flashpoint: (Method Used) Cleveland open cup greater than 172°C (340°F)

Flammable limits % : not applicable

Extinguishing agents:
Dry chemical or Waterfog or $C0_2$ or Foam
Closed containers exposed to fire may be cooled with water.

HEALTH HAZARD DATA---SECTION IV

Permissible concentrations (air):
see COMMENTS section

Chronic effects of overexposure:
no data available

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: Remove excess with cloth or paper. Wash thoroughly with soap and water.

Inhalation: Remove victim to fresh air. Call a 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):
Use NIOSH/MSHA certified respirator with dual organic vapor/mist and particulates cartridge if vapor concentration exceeds permissible exposure limit.

Protective Gloves:
neoprene type

Eye Protection:
chemical safety goggles

Other Protective Equipment:
none

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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.

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:

Do not handle or store at temperatures over

Maximum Storage Temperature: 60 ° C (140°F)

TRANSPORTATION DATA---SECTION VIII

D.O.T.: Not Regulated
Reportable Quantity: not applicable
Freight Classification: Petroleum Lubricating Oil
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 in sufficient quantity to be 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.

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).

All components of this product are on the US TSCA and Canadian DSL Inventories.

The additive mixtures in this product have been declared a trade secret by the additive manufacturers.

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