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Lapmaster
International

BARNES[®] BORE HONING & FINISHING SYSTEMS

MATERIAL SAFETY DATA SHEET

Date: December 2008

Section #1: PRODUCT AND COMPANY IDENTIFICATION

Lapmaster International
Barnes Bore Honing & Finishing Systems Division
501 W. Algonquin Road
Mt. Prospect, IL 60056

Telephone: (224) 659-7101 (Office Hours 8:00 a.m. to 5:30 p.m. CST)
24-Hour Emergency Number: Chemtrec – 1-800-424-9300

Product Identification: Hydraulic Oil for Barnes Honing Equipment
Product Name: Hydraulic Oil, Light, Type AW-32

Section #2: COMPOSITION INFORMATION ON INGREDIENTS

Ingredient Information: Various Oils

Component Name	Percentage % (by weight)	CAS Number	OSHA PEL	ACGIH TWA
Paraffinic Distillates Medium, Severely Hydrotreated	<45%	64742-54-7	5mg/m3	5mg/m3
Severely Hydrotreated Mineral Oil	<55%	064742-54-7	5mg/m3	5mg/m3
Zinc & Compounds	<5%	mixture	5mg/m3	5mg/m3

Section #3: HAZARDS INFORMATION

EMERGENCY OVERVIEW: Spill may cause slipping hazard

POTENTIAL HEALTH EFFECTS:

EYE: May cause mild irritation
SKIN: May cause mild irritation
INGESTION: No hazard in normal use
INHALATION: No hazard in normal use

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
None Known

HEALTH HAZARDS (ACUTE AND CHRONIC):

Health – 1
Flammability - 1

SIGNS AND SYMPTOMS OF EXPOSURE:

No Data Available

CHRONIC / CARCINOGENICITY:

N/A
NTP: N/A
OSHA: N/A
IARC: N/A

Section #4: FIRST AID MEASURES

EYES: Remove Contacts – Flush eyes with saline – Seek Medical Attention
SKIN: Wash with Soap and water for 15 minutes – If irritated, Seek Medical Attention
INGESTION: DO NOT Induce Vomiting – Seek Medical Attention
INHALATION: Remove to fresh air - Seek Medical Attention

Section #5: FIRE FIGHTING MEASURES

FLASH POINT: 265 Degrees F
FIRE FIGHTING: Wear self-contained breathing apparatus. Avoid fume inhalation.
EXTINGUISHING MEDIA: CO₂; Dry Chemical; Foam
HAZARDOUS COMBUSTION PRODUCTS: Carbon Monoxide and Carbon Dioxide
CONDITIONS OF FLAMMABILITY: N/A
Lower Explosive Limit: 1.0% **Upper Explosive Limit:** 7.0%
EXPLOSION DATA:
IMPACT SENSITIVITY: N/A
STATIC DISCHARGE: N/A
AUTOIGNITION: N/A

Section #6: ACCIDENTAL RELEASE MEASURES

GENERAL: Confine spill, use local and/or federal regulations in the collecting and disposal of material.

Section #7: HANDLING AND STORAGE

HANDLING: Wear Safety Goggles, Use Protective Gloves
STORAGE: Store between 60 & 90 degrees F. Keep containers sealed until ready for use. Avoid (keep away) from sources of ignition.

Section #8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: N/A
PERSONAL PROTECTION:
EYE/FACE: Wear Chemical Safety Goggles
SKIN: Use Oil-Resistant Gloves
RESPIRATORY: N/A

Section #9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Viscous Liquid
ODOR AND APPEARANCE: Mild Odor, Amber Color
BOILING POINT: 465-650 Degrees F
Viscosity: 165 SUS @ 100 Degrees F
PH: N/A
VAPOR PRESSURE (mmHg): <0.1mm Hg @ 20 degrees C
SPECIFIC GRAVITY: 0.8731
WATER SOLUBILITY: Insoluble
FREEZE POINT: N/A
EVAPORATION RATE: Slower than Butyl Acetate
COEFFICIENT WATER/OIL: 100% Oil

Section #10: STABILITY AND REACTIVITY

STABILITY: Stable
STABILITY CONDITIONS TO AVOID: Strong Oxidizers
REACTIVITY: N/A
REACTIVITY CONDITIONS TO AVOID: Exposure to heat or flame

Section #11: TOXICOLOGICAL INFORMATION

ACUTE HEALTH HAZARDS:
ACUTE ORAL: N/A
COMPONENTS: N/A

Section #12: ECOLOGICAL INFORMATION

GENERAL: Not expected to present any significant ecological problems

Section #13: DISPOSAL INFORMATION

WASTE DISPOSAL: Comply with State and/or Federal regulations
RCRA HAZARDOUS WASTE: Not RCRA hazardous waste

Section #14: TRANSPORTATION INFORMATION

DOT HAZARD CLASS: Not Regulated
PROPER SHIPPING NAME: Light Petroleum Oil
IDENTIFICATION NUMBER: N/A
TDGA: Not Listed
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Section #15: REGULATORY INFORMATION

TSCA STATUS: All ingredients in this product are on the TSCA inventory
WHMIS CLASSIFICATION: N/A
SARA Title III: The following SARA section 313 components exist in this product:
Name: Zinc & compounds **CAS Number:** mixture **Wt/Wt% <5%**

Section #16: OTHER INFORMATION

HMIS Code: Health 1, Flammability 1, Reactivity 0

Volatile Organic Compounds (VOCS): 0.00 lbs/gal, 0 grams/liter

The information contained in this Material Safety Data Sheet (MSDS) document is believed to be accurate and reliable. Because it is impossible to anticipate all conditions of use, some additional safety precautions may be required. *LAPMASTER INTERNATIONAL, LLC, MAKES NO REPRESENTATION OR WARRANTY, EITHER EXPRESS OR IMPLIED, AS TO THE MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.* Each user should read and understand the information provided and incorporate it into their individual site safety programs as required by applicable hazard communication standards and regulations.

ABBREVIATIONS:

ACGIG	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstracts Service
EPA	Environmental Protection Agency
PEL	Permissible Exposure Limit
PPE	Personal Protective Equipment
EPRCA 313	Emergency Planning & Community Right-to-Know Act, Section 313
WHIMIS	Canadian Workplace Hazardous Material Information System
OSHA	Occupational Health and Safety Administration