



MATERIAL SAFETY DATA SHEET

Lubricating Oil
Revision 1 ♦ January 28, 2010

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SECTION 1 • PRODUCT AND COMPANY IDENTIFICATION

Product Numbers *1003Z, 1003B, 1003*
 Product Name *Hoppe's Lubricating Oil*
 Synonyms *None*
 Products Uses *Lubricating oil*
 Revision Number *1*
 Revision Date *January 28, 2010*
 Print Date *January 28, 2010*

**24 hr Emergency
Phone Number**

800-255-3924
(CHEM-TEL)

MANUFACTURER INFORMATION		DISTRIBUTOR INFORMATION	
Company Name	<i>Tri-Pac Inc.</i>	Company Name	<i>Bushnell</i>
Address	<i>17336 M-60 East Vandalia, MI 49095</i>	Address	<i>9200 Cody Overland Park, KS 66214</i>
Phone Number	<i>269-476-2303</i>	Phone Number	<i>800-423-3537</i>
Fax Number	<i>269-476-2302</i>	Fax Number	<i>913-752-3570</i>

SECTION 2 • HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW	CAUTION! AVOID CONTACT WITH SKIN AND EYES. VAPOR HARMFUL.
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OSHA Classification *This product is a "hazardous chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.*

European Classification

WHMIS Classification

HEALTH	0
FLAMMABILITY	1
PHYSICAL HAZARD	0



HEALTH HAZARDS		PHYSICAL HAZARDS			
Irritant <input type="checkbox"/>	Sensitizer <input type="checkbox"/>	Combustible <input type="checkbox"/>	Explosive <input type="checkbox"/>	Pyrophoric <input type="checkbox"/>	
Toxic <input type="checkbox"/>	Highly Toxic <input type="checkbox"/>	Flammable <input type="checkbox"/>	Oxidizer <input type="checkbox"/>	Water Reactive <input type="checkbox"/>	
Corrosive <input type="checkbox"/>	Carcinogenic <input type="checkbox"/>	Compressed Gas <input type="checkbox"/>	Organic Peroxide <input type="checkbox"/>	Unstable <input type="checkbox"/>	

LABELING REQUIREMENTS			
CANADA	UNITED STATES	EUROPE & AUSTRALIA	GHS
—	—	—	—

POTENTIAL HEALTH EFFECTS AND SIGNS / SYMPTOMS OF EXPOSURE

Eye Contact *Liquid contact may cause pain along with moderate eye irritation.*



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Skin Contact	<i>Prolonged or repeated exposure may cause skin irritation.</i>
Ingestion	<i>Not expected to be harmful if swallowed.</i>
Inhalation	<i>Not expected to be harmful if inhaled. May cause respiratory irritation or other pulmonary effects following prolonged or repeated exposure of oil mist at air levels above the recommended mineral oil exposure limited.</i>
Effects of Chronic Exposure	<i>Not Available</i>
Medical Conditions Aggravated	<i>May aggravate personnel with pre-existing disorders associated with any of the Target Organs.</i>
Types of Hazards	<i>Not Available</i>
Target Organs	<i>Eyes, Skin, Respiratory System</i>
Routes of Exposure	<i>Skin contact, eye contact, inhalation, ingestion</i>
Potential Environmental Effects	<i>See Section 12 for environmental effects</i>

SECTION 3 • COMPOSITION / INFORMATION ON INGREDIENTS

ID	INGREDIENT	CAS NUMBER	EINECS	EU CLASSIFICATION	% WT
1	<i>Hydrotreated Naphthenic Distillate</i>	<i>064742-54-7</i>	<i>265-155-0</i>	<i>—</i>	<i>100%</i>

Risk Phrases	<i>See Section 15 for risk phrase text</i>
LD50 and LC50 Information	<i>See Section 11 for toxicological information</i>
Occupational Exposure Limits	<i>See Section 8 for OELs</i>

SECTION 4 • FIRST AID MEASURES

Ingestion	<i>DO NOT INDUCE VOMITING! This material may enter the lungs during vomiting. As a precaution, seek medical advise.</i>
Skin Contact	<i>Remove with soap and water, rinsing and repeating for 15 minutes.</i>
Eye Contact	<i>Immediately flush with clear water for at least 15 minutes, including under the eyelids. Consult a doctor.</i>
Inhalation	<i>Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist or if unconscious.</i>
Notes to Physician	<i>Treat symptomatically.</i>
Antidotes	<i>No specific antidote.</i>

SECTION 5 • FIRE FIGHTING MEASURES

Flash Point	<i>378 °F (192 °C)</i>
Autoignition Temperature	<i>Not Determined</i>
Explosive Limits	<i>Not Determined</i>
Conditions of Flammability	<i>Heat, sparks, flame, red hot metal</i>
Extinguishing Media	<i>Water, CO2, dry chemical, or universal aqueous film forming foam</i>
Unsuitable Extinguishing Media	<i>Water jet</i>
Hazardous Combustion Products	<i>Oxides of carbon (CO, CO2), smoke, and vapors</i>
Sensitivity to Mechanical Impact	<i>Probably not sensitive as material is stable.</i>
Sensitivity to Static Discharge	<i>Probably not sensitive</i>
Special Equipment and Precautions	<i>Use water spray to cool fire exposed containers, as contents can rupture violently from heat developed pressure. Firemen should wear self-contained breathing apparatus.</i>
Special Explosion Hazards	<i>Not Available</i>
Autoreactivity / Oxidizing Properties	<i>Not Available</i>



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SECTION 6 • ACCIDENTAL RELEASE MEASURES

Personal Precautions *Use personal protection recommended in Section 8.*

Environmental Precautions *Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent.*

Containment Procedures *Released content may be contained with oil/solvent absorbent pads, booms, and/or absorbents.*

Cleanup Procedures *Soak up material with inert absorbent and place in safety containers for proper disposal.*

Other Information *Consult the North American Emergency Response Guidebook or similar resources providing emergency response information for dealing with accidents, spills, leaks, and/or fires involving dangerous goods.*

Prohibited Materials *Combustible absorbent material such as sawdust, use of equipment that may cause sparking.*

Reporting Requirements *Report releases that reach surface water or groundwater in any amount. Spills, leaks, and overfills from a regulated underground storage tank should also be reported. Reportable quantities for spills onto the ground depend on site conditions, such as the type of soil and the type of material spilled, and Federal and local agencies often have different reportable quantities.*

SECTION 7 • HANDLING AND STORAGE

Precautions for Safe Handling / Use *KEEP OUT OF THE REACH OF CHILDREN.*

Storage Requirements / Conditions *Keep containers tightly closed and stored in a well-ventilated place.*

Special Packaging Materials *Not applicable.*

SECTION 8 • EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits

ID	UNITED STATES OSHA PEL	UNITED STATES NIOSH REL	UNITED STATES NIOSH IDLH	UNITED STATES ACGIH TLV	AUSTRALIA TWA	GERMANY MAK	JAPAN OEL
1	5 mg/m ³	None Established	None Established	5 mg/m ³	10 mg/m ³	None Established	3 mg/m ³

ID	CANADA ALBERTA OEL	CANADA BC TWA	CANADA ONTARIO TWA EV	CANADA QUEBEC TWA	MEXICO MPEL-PTA	UNITED KINGDOM WEL	UNITED STATES AIHA WEEL
1	5 mg/m ³	1 mg/m ³	5 mg/m ³	5 mg/m ³	None Established	None Established	None Established

Engineering Measures *Use with adequate ventilation. General ventilation (typically 10 air changes per hour) should be used. Rates should be matched to conditions. Local exhaust ventilation or an enclosed handling system may be necessary to control air contamination below that of the lowest OEL from the table above.*

Biological Exposure Indices *None Established*

General Hygiene Considerations *Avoid breathing vapors and contact with the skin and eyes. Always replace overcap when not in use. Keep out the reach of children. Wash hands after use.*

Thermal Hazards *This product does not present a thermal hazard.*

PERSONAL PROTECTIVE EQUIPMENT



Respiratory Protection *An approved respirator with an organic vapor cartridge may be permissible under certain circumstances where airborne concentrations are expected to exceed occupational exposure limits. If respirators are needed, in the United States compliance with OSHA standard 29 CFR 1910.134 is necessary.*

Skin Protection *For brief contact, no precautions other than clean body-covering clothing should be needed. When prolonged or repeated contact could occur, use protective clothing impervious to the ingredients listed.*

Eye/Face Protection *Safety glasses with side shields are recommended as a minimum for any type of chemical handling.*

Other Protective Equipment *Safety showers and eye-wash stations should be available in the near where the material will be used.*



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SECTION 9 • PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point	599 °F (315 °C)	Melting / Freezing Point	Not Available
Flash Point	378 °F (192 °C)	Autoignition Temperature, Liquid	Not Determined
Explosive Limits	Not Determined	Decomposition Temperature	Not Available
Flammability	Class IIIB	Density (H ₂ O = 1)	0.866 g/cc
Molecular Weight	Not Available	Weight	7.228 lbs/gal
Vapor Pressure	< 0.01 mm Hg	pH	Not Available
Vapor Density	> 1.0	Evaporation Rate (BuAC = 1)	Not Available
Physical State	Liquid	Partition Coefficient	Not Available
Viscosity	223 SUS @ 100 °F	Refractive Index	Not Available
Odor Threshold	Not Available	Heat of Combustion	Not Available
Odor	Characteristic	Water Solubility	Not Available
Appearance / Color	Amber Liquid		
Percent Volatile	3% Wt (3% Vol) Max	VOC Content	Not Determined
Percent VOC	3% Wt (3% Vol) Max	HAP Content	None
Solids Content	None	Maximum Incremental Reactivity	Not Determined

SECTION 10 • STABILITY AND REACTIVITY

Stability	Stable
Physical Hazards	Not Available
Conditions to Avoid	Not Available
Hazard Polymerization	Not expected to occur
Material Incompatibility	Strong oxidizing agents
Conditions of Reactivity	Heat, sparks, flame, red hot metal
Decomposition Products	Oxides of carbon

SECTION 11 • TOXICOLOGICAL INFORMATION

Irritancy of Product	None of the ingredients are considered irritants
Sensitization to Product	None of the ingredients are considered known or suspected sensitizers.
Carcinogen Data	None of the ingredients are considered known or suspected carcinogens.
Reproductive Toxicity	None of the ingredients are considered known or suspected reproductive toxicants.
Teratogenicity	None of the ingredients are considered known or suspected teratogens.
Mutagenicity	None of the ingredients are considered known or suspected mutagens.
Synergistic Products	No known synergistic properties.

LD₅₀ and LC₅₀ Information

ID	ORAL LD ₅₀	DERMAL LD ₅₀	INHALATION LC ₅₀
1	>2000 mg/kg, rat	>2000 mg/kg, rabbit	5 mg/L /4 hr, rat

SECTION 12 • ECOLOGICAL INFORMATION

Mobility	Not Available	Degradability	Not Available
Persistence	Not Available	Bioaccumulation	Not Available
Other Ecologic Data	Do not allow to enter waters, waste water, or soil.		



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Effects on the Ozone Layer *This product does not contain any ozone depleting ingredients.*

Ecotoxicity

ID	FISH	INVERTEBRATES	AQUATIC PLANTS	MICROORGANISMS
1	Not Available	Not Available	Not Available	Not Available

SECTION 13 • DISPOSAL CONSIDERATIONS

Waste Disposal *Product is suitable for burning in an enclosed, controlled burner for fuel value. Hazard characteristics and regulatory waste stream classification can change with product use and location. Accordingly, it is the responsibility of the user to determine the proper storage, transportation, treatment, and/or disposal methodologies for spent materials and residues at the time of disposition. All waste material must be disposed of in compliance with the respective national, federal, state, and/or local regulations.*

Waste Disposal of Packaging *Consult with your local landfill to determine if empty small containers can be disposed of regular trash pickup. For disposal of large containers (typically 10 gallon or larger), or for containers not suitable for landfill, a licensed reconditioner should be used.*

Landfill Precautions *Not Available*

Incineration Precautions *Not Available*

SECTION 14 • TRANSPORTATION INFORMATION

DOT SHIPPING INFORMATION (United States) Non-Regulated Material	ICAO/IATA SHIPPING INFORMATION (International Air) Non-Regulated Material
IMDG SHIPPING INFORMATION (International Ocean) Non-Regulated Material	ADR SHIPPING INFORMATION (European Union) Non-Regulated Material
TDG SHIPPING INFORMATION (Canada) Non-Regulated Material	NMFC DESCRIPTION (United States) ITEM DESCRIPTION: <i>Compounds Lubricating</i> ITEM NUMBER: 50303 CLASS: 55

Special Transport Precautions *Not Available*

SECTION 15 • REGULATORY INFORMATION

United States - Federal

ID	TSCA INVENTORY	SARA 302 EHS	RCRA	CERCLA	SARA 313	FIRE	REACTIVITY	SARA 311/312 ACUTE	CHRONIC	PRESSURE	CLEAN AIR ACT	CLEAN WATER ACT
1	✓	—	—	—	—	—	—	✓	✓	—	—	—

United States - States

ID	CALIFORNIA	DELAWARE	FLORIDA	MASSACHUSETTS	PENNSYLVANIA	MINNESOTA	NEW JERSEY	NEW YORK	WASHINGTON
1	—	—	—	—	—	—	—	—	—

Canada

ID	WHMIS CATEGORIES									CHEMICAL LISTS			
	A	B	C	D1A	D1B	D2A	D2B	D3	E	DSL	NDSL	NPRI	CWC
1	—	—	—	—	—	—	—	—	—	✓	—	—	—

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

European Union

CODE	RISK PHRASES
None	

CODE	SAFETY PHRASES
None	



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RoHS Compliance



This product is RoHS compliant according to the definitions and restrictions given by Directive 2002/95/EC and The Council of January 27, 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

Australia

Poisons Schedule Number

None of the ingredients are present at or above a concentration necessary for allocation of a Poisons Schedule Number.

Chemical Inventory Status

All of the ingredients are listed on the Australian Inventory of Chemical Substances (AICS) or are exempt.

SECTION 16 • OTHER INFORMATION

Disclaimer of Liability

The information contained herein is based upon data provided to us by our suppliers, and reflects our best judgement. However, no warranty of merchantability, fitness for any use, or any other warranty or guarantee is expressed or implied regarding the accuracy of such data, or the results to be obtained from use thereof. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar, we do not assume any responsibility for the results of such application. This information is furnished upon the condition that the persons receiving it shall make their own determinations of the suitability of the material for any particular use. Although certain hazards are described herein, we cannot guarantee these are the only hazards that exist.

Revision History

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MSDS Prepared By

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