



Material Safety Data Sheet

NFPA	HMIS	PPE	Symbol(s)						
	<table border="1"> <tr> <td>Health Hazard</td> <td>2</td> </tr> <tr> <td>Fire Hazard</td> <td>1</td> </tr> <tr> <td>Reactivity</td> <td>0</td> </tr> </table>	Health Hazard	2	Fire Hazard	1	Reactivity	0		
Health Hazard	2								
Fire Hazard	1								
Reactivity	0								

Preparation Date July 2009 Revised

Revision Date 2-November-2011

Revision Number 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Description: Mr. 'B®
MSDS #: 0070 028G
Recommended Use For industrial use only

Manufacturer Bestolife Corporation
 2777 Stemmons Freeway, Suite 1800
 Dallas, Texas 75207
 USA
 Internet: www.bestolife.com

Telephone Number (214) 631-6070

Emergency Telephone Number CHEMTREC: 800-424-9300 or 703-527-3887 (Transportation Emergencies; 24-hours/day)

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance Black	May cause skin irritation Physical State Solid.	Odor Oil/grease odor.
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Potential Health Effects

Principle Routes of Exposure The two major means of exposure are skin absorption and ingestion.

Acute Effects

Eyes Contact with eyes may cause irritation.
Skin Skin contact may cause irritation.
Inhalation Not an expected route of entry.
Ingestion This product may be absorbed by the digestive system. Ingestion can result in both acute and chronic overexposure.

Chronic Effects

Prolonged and repeated contact with the product may cause a defatting of the skin, dermatitis, folliculitis and/or oil acne.

See Section 11 for additional Toxicological information.

Aggravated Medical Conditions Preexisting eye or skin disorders may be aggravated by prolonged contact with this product.

Potential Environmental Effects No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %
Lubricating greases	74869-21-9	60-60
Lead	7439-92-1	10-30

Other Non-Hazardous Ingredients
 Contains: <3% DMSO-extractable components

4. FIRST AID MEASURES

Eye Contact	Flush with copious amounts of water. Get immediate medical attention.
Skin Contact	Wash thoroughly with soap and water. If irritation occurs, get medical attention.
Inhalation	Remove from exposure. Get medical attention if experiencing cough, irritation or difficult breathing.
Ingestion	Get immediate medical attention. DO NOT INDUCE VOMITING! Possible aspiration hazard.
Notes to Physician	The hydrocarbons contained in this product are mild irritants of the eyes and mucous membranes, central nervous system depressants, and primary chemical irritants of the skin. Lead and its inorganic compounds are neurotoxins which may produce peripheral neuropathy. Ingestion or inhalation of lead can pose risk to developing fetuses and may also impair the reproductive systems in both men and women. Lead can damage the kidneys, hematopoietic and central nervous system. For an overview of the effects of lead exposure, consult Appendix A of OSHA's Occupational Exposure to Lead (29 C.F.R. Section 1910.1025). Prolonged or repeated skin contact, especially with poor personal hygiene, may cause skin disorders. For combustion product effects see Hazardous Combustion Products in Section 5. Fire-Fighting Measures.
Protection of First-aiders	Use personal protective equipment. Avoid contact with skin, eyes and clothing.

5. FIRE-FIGHTING MEASURES

Flammable Properties	No information available			
Suitable Extinguishing Media	Dry chemical, water fog, foam, or carbon dioxide may be suitable for extinguishing fires involving this product.			
Unsuitable extinguishing media.	No information available			
Explosion Limits				
Hazardous Combustion Products	Combustion products are highly dependent on the combustion conditions. CO, CO ₂ , CaO, oxygenates, and unidentified organic compounds may be formed during combustion. High temperature may produce metal fume, vapor, and/or dust, Combustion products may cause effects of overexposure as noted in Section 2. Hazards Identification, They may also cause vomiting; uncoordinated body movements; stupor; dizziness; coma; convulsion; drowsiness; tachypnea; nausea; paresthesias; dyspnea; asphyxiation; mild to severe eye, skin or respiratory tract irritation; cough; pneumoconiosis and/or lung damage, Other unidentified health effects may occur.			
Impact Sensitivity	Not applicable.			
Sensitivity to static discharge	Not applicable.			
Specific Hazards Arising from the Chemical	Product fume and/or vapor may be irritating or toxic if inhaled. The product, or its dust, can react vigorously with strong oxidizing agents.			
Protective Equipment and Precautions for Firefighters	Use full-body protection and full-face, self-contained breathing apparatus operated in a positive-pressure mode. Use water spray (fog) to cool containers and disperse vapors.			
NFPA	<table> <tbody> <tr> <td style="text-align: center;">Health 2</td> <td style="text-align: center;">Flammability 1</td> <td style="text-align: center;">Instability 0</td> </tr> </tbody> </table>	Health 2	Flammability 1	Instability 0
Health 2	Flammability 1	Instability 0		

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid contact with the skin and the eyes.
Environmental Precautions	Keep petroleum products out of streams and waterways. Assure conformity with applicable government regulations.
Methods for cleaning up	Clean area with an appropriate cleanser.

Other Information

Not applicable

7. HANDLING AND STORAGE**Handling**

The two major means of metal absorption are inhalation and ingestion. After use, always wash hands before smoking, eating, or drinking. Smoking, eating, and drinking should be confined to uncontaminated areas. Work clothes and equipment should remain in designated areas. Before reuse, launder contaminated clothing separate from personal clothing. Avoid skin contact and use personal protection when handling product, waste product, or contaminated equipment. Wash with soap and water after use. Prolonged and repeated contact can cause defatting action of the skin and may cause disorders such as dermatitis, folliculitis, and oil acne. This product is intended for industrial use only. Isolate from children and their environment. This product may separate. Stir well before use. The flash point of this product depends on the degree of separation.

Storage

Store in a cool, dry area where accidental contact with acids is not possible. Do not store or handle near high temperature or open flame. Keep storage containers closed when not in use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	ACGIH TLV	OSHA PEL	Ontario TWAEV	Mexico OEL (TWA)
Lead	TWA: 0.05 mg/m ³	50	TWA: 0.05 mg/m ³	TWA: 0.15 mg/m ³

NIOSH IDLH: Not applicable.

Engineering Measures

No special ventilation requirements under conditions of normal use (air concentrations below PEL/TLV levels).

Personal Protective Equipment**Eye/Face Protection**

Vented goggles or safety glasses with side shields should be worn when using this product.

Skin Protection

Clothing appropriate for an industrial environment should be worn.

Respiratory Protection

No respiratory equipment is required for normal use.

General Hygiene Considerations

When using, do not eat, drink or smoke. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Black	Odor	Oil/grease odor
Odor Threshold	No information available	Physical State	Solid
pH	No information available	Flash Point	196 °C / 385 °F
Flash Point Method	ASTM D 92, C.O.C.	Autoignition Temperature	No information available
Boiling Point/Range	288 °C / 550 °F	Melting Point	No information available
Dropping Point	177 °C / 350 °F	Flammability Limits in Air	No information available
Vapour Density	>1	Vapour Pressure	No information available
Specific Gravity	1.5	Solubility	Negligible
Partition Coefficient (n-octanol/water)	No information available	Viscosity	No information available
Evaporation Rate	<1	Freezing Point	No information available

10. STABILITY AND REACTIVITY**Chemical Stability**

Stable under recommended storage and handling conditions.

Conditions to Avoid

Heat, flames and sparks.

Incompatible Products

Strong oxidizers or acids.

Hazardous Decomposition Products

Under normal temperatures this product will not decompose.

Possibility of Hazardous Reactions

None under normal use

11. TOXICOLOGICAL INFORMATION**Acute Toxicity****Component Information**

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
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Lubricating greases	2280 mg/kg (Rat)		
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Irritation

Product may cause irritation to the eyes and/or skin. Ingestion of the product may cause gastrointestinal irritation and upset.

**Chronic Toxicity
Carcinogenicity**

Passes IP 346 Method<3% DMSO-extractable components

Component	ACGIH	IARC	NTP	OSHA	Mexico
Lead	TWA: 0.05 mg/m ³	Group 2A	Reasonably Anticipated To Be A Human Carcinogen	X	A3

IARC: (International Agency for Research on Cancer)
Group 2A - Probably Carcinogenic to Humans

12. ECOLOGICAL INFORMATION

Ecotoxicity

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Lubricating greases		LC50> 2000 mg/L Salmo gairdneri 96 h		
Lead		LC50= 0.44 mg/L Cyprinus carpio 96 h LC50= 1.17 mg/L Oncorhynchus mykiss 96 h LC50= 1.32 mg/L Oncorhynchus mykiss 96 h		EC50 = 600 µg/L 48 h

**Persistence and Degradability
Bioaccumulation
Mobility in Environmental Media**

No information available.
No information available.
No information available

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Discard in accordance with local, state, and federal regulations. Empty containers are exempt from RCRA Subtitle C if they contain no more than 2.5 cm of their original contents in the bottom of the container or less than 3% of the original net weight (less than 0.3% by weight for containers over 110 gallons), or if the residue is analyzed and demonstrated to be nonhazardous.

Contaminated Packaging

"Empty" containers retain residue and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY AND/OR DEATH. "Empty" containers should be completely drained and properly sealed. Recycle or discard plastic liner, pail or drum in accordance with local, state, and federal regulations. "Empty" drums may be sent to a drum reconditioner.

Component	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Lead	(hazardous constituent - no waste number)	Included in waste streams: F035, F037, F038, F039, K002, K003, K005, K046, K048, K049, K051, K052, K061, K062, K064, K065, K066, K069, K086, K100, K176	5.0 mg/L regulatory level	

14. TRANSPORT INFORMATION

DOT

For package size less than 5 gallons this product should be listed by all modes as "Not Restricted." For all packages larger than 5 gallons: RQ, UN3077, Environmentally Hazardous Substance, Solid, n.o.s. (Lead), Class 9, PGIII.

TDG

RQ, UN3077, Environmentally Hazardous Substance, Solid, n.o.s. (Lead), Class 9, PGIII.

IATA

For Open Format Air Document: RQ, UN3077, Environmentally Hazardous Substance, Solid, n.o.s. (Lead), Class 9, PGIII. For the Columnar Format of an Air Document: RQ, 3077, Environmentally Hazardous Substance, Solid, n.o.s. (Lead), Class 9, PGIII.
 RQ, UN3077 Environmentally Hazardous Substance, Solid, n.o.s. (Lead), Class 9, PGIII

IMDG/IMO**15. REGULATORY INFORMATION****International Inventories**

Component	TSCA	DSL	NDSL	EINECS/EL INCS	ENCS	CHINA	KECL	PICCS	AICS
Lubricating greases				278-011-7		X		X	
Lead	Present	X		231-100-4	X	X		X	X

U.S. Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Component	SARA 313 - Threshold Values
Lead	0.1

SARA 311/312 Hazardous Categorization

Chronic Health Hazard Yes
 Acute Health Hazard Yes
 Fire Hazard No
 Sudden Release of Pressure Hazard No
 Reactive Hazard No

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Lead		X	X	

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
Lead	10	

U.S. State Regulations**California Proposition 65**

This product contains the following Proposition 65 chemicals

Component	California Prop. 65
Lead	Carcinogen

State Right-to-Know**Other International Regulations**

Mexico - Grade No information available

Canada

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.

WHMIS Hazard Class

D2A Very toxic materials

**16. OTHER INFORMATION**

Preparation Date

July 2009 Revised

Revision Date 2-November-2011

Revision Number 1

Revision Summary

Format change; Transportation information update; Update in Section 9. Physical and Chemical Properties

Disclaimer

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End of MSDS