

Material Safety Data Sheet

May be used to comply with
 OSHA's Hazard Communication Standards
 29 CFR 1910.1200. Standard must be
 consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
 (Non-Mandatory Form)
 Form Approved
 OMB No. 1218.0072

1H051

Identity (as used on label and list): Multi Purpose Lubricating Oil	Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.
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SECTION I

Manufacture's Name & Address: R.B. Howes & Co., Inc. P.O. Box 100 Coventry, RI 02816	Emergency Telephone Number: 1-800-438-9080 or 1-401-294-5500
	Telephone Number for Information: 1-800-438-9080 or 1-401-294-5500
	Date Prepared: 5-Dec-01

SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Hazardous Components (Specific Chemical Identity - Common Name)	CAS #	OSHA PEL	ACGIH TLV	Other limits recommended	% (optional)
Severly Hydrotreated Petroleum Oil	64742-52-5				
Severly Solvent Refined Petroleum	64742-01-4				

SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: 342 F	Specific Gravity (H2O=1): 34 x Lighter
Vapor Pressure (mm Hg.): 0	Melting Point: N/A
Vapor Density (AIR=1): 20 min.	Evaporation Rate (Butyl Acetate=1) 100 x Slower
Solubility in Water: NIL	Appearance and Odor: Light amber with distinctive odor

SECTION IV - FIRE and EXPLOSION HAZARD DATA

Flash Point (Method Used): 200 F min. (Cleveland Closed Cup)	Flammable Limits: UNK	LEL	UEL
Extinguishing Media: Foam, Dry Chem, CO2, Water Fog or Spray			
Special Fire Fighting Procedures: Use air supplied breathing equipment for enclosed areas. Avoid Breathing vapor or fumes. Cool exposed containers with water spray.			
Unusual Fire and Explosion Hazards: N/A			

SECTION V - REACTIVITY DATE

Stability:	Unstable	Conditions to Avoid: N/A
	Stable X	Conditions to Avoid: Excessive Heat
Incompatibility (Material to Avoid): Strong oxidants like liquid chlorine or concentrated oxygen.		
Hazardous Decomposition or Byproducts: Carbon Oxides (CO, CO2) Smoke: asphyxiants when burning.		
Hazardous Polymerization	May Occur	Conditions to Avoid: N/A
	Will Not Occur X	Conditions to Avoid:

SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry:	Inhalation? TLV 5mg / mg3 for oil mist in the air	Skin? Prolonged contact	Ingestion? Poisonous
Health Hazards (Acute and Chronic): Prolonged or repeated skin contact may cause skin irritation. Ingestion harmful or fatal if not treated. Prolonged exposure to heavy concentrations of fumes may cause irritation to mucus membranes and airway.			
Carcinogenicity: N/A	NTP?	OSHA FIARC Monographs?	OSHA Regulated?
Signs and Symptoms of Exposure: Eyes, skin or air passages may become red and irritated. Ingestion may cause cramps and nausea.			
Medical Conditions Generally Aggravated by Exposure: Respiratory diseases such as asthma. Cuts, rashes or similar skin diseases may be adversely affected by prolonged or repeated exposure.			
Emergency and First Aid Procedures: Skin contact: Wash with soap and water. Eye Contact: Flush with water for 15 minutes, or until irritation subsides. Ingestion: Do not induce vomiting. Water may be given slowly. Contact physician immediately. Inhalation: Remove to fresh air. Additionally: In all cases, if symptoms persist, contact physician.			

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled: Recover free liquid. Use oil absorbents to clean up trace amounts. Prevent contamination of sewers and open water courses.
Waste Disposal Method: Dispose in accordance with local, State and Federal Regulations.
Precautions to be Taken in Handling and Storing: Keep containers closed when not in use. Do not handle near heat, sparks, flame or strong oxidants.
Other Precautions: N/A

SECTION VIII - CONTROL MEASURES

Respiratory Protection (Specific Type): Not normally needed	
Ventilation	Local Exhaust: As necessary for 5mg / mg3 TLV
	Mechanical (General): N/A
Protective Gloves: If needed to avoid prolonged contact.	Special: N/A
	Other: N/A
Other Protective Clothing or Equipment: Not normally needed. Apron could be used to avoid contact with clothing.	Eye Protection: Splash goggles to avoid contact.
Work Hygienic Practices:	

