

WHITMORE'S

MATERIAL SAFETY DATA SHEET

Hazardous according to criteria of Worksafe Australia.

I. IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY					
Product Name:	Handi-Lube® (Aerosol)	Manufacturer/Supplier: The Whitmore Manufacturing Company 930 Whitmore Drive Rockwall, Texas 75087, U.S.A.			
Chemical Family:	Petroleum Hydrocarbon				
Use:	Open Gear Lubricant Spray				
Emergency Tel. No.:	CHEMTREC	U.S.A. & Canada	800-424-9300 (24 hrs)	International	703-527-3887 (Collect - 24 hr)
		Australia	00-111-703-527-3887 (Collect - 24 hr)		

II. COMPOSITION INFORMATION ON INGREDIENTS					
Hazardous Components	CAS No.	Wt%	OSHA PEL	ACGIH TLV	Australia TWA
Butane, Propane, Isobutane	106-97-8, 74-98-6, 75-28-5	25-30	N/D	1000 ppm	800 ppm
Hexane	100-54-3	10-20	50 ppm	50 ppm	50 ppm
Aromatic Hydrocarbon*	68477-31-06	3-7	100 ppm	100 ppm	80 ppm
Aromatic Hydrocarbon	1330-20-7	1-10	100 ppm	100 ppm	80 ppm

III. ADVERSE HUMAN HEALTH EFFECTS	
Eyes:	Any eye contact will cause irritation.
Skin:	Prolonged skin contact will cause irritation.
Inhalation:	Prolonged breathing of vapors will cause irritation to the respiratory tract, irregular heartbeat and dizziness, weakness, fatigue, nausea, headaches, and possible unconsciousness and even asphyxiation.
Ingestion:	Ingestion causes gastrointestinal irritation, nausea, vomiting, and diarrhea. Aspiration of material into the lungs can cause chemical pneumonia which can be fatal.

IV. FIRST AID MEASURES	
Eyes:	Flush with large amounts of cold water. If irritation persists, seek medical attention.
Skin:	Thoroughly wash exposed area with soap and water.
Inhalation:	Provide fresh air. If breathing difficulty persists, seek medical attention.
Ingestion:	Do not induce vomiting. If irritation persists, seek medical attention.

V. FIRE FIGHTING MEASURES	
Extinguishing Media:	Foam, CO ₂ , Dry Chemical
Unsuitable Extinguishing Media:	Not Known
Fire Fighting Protective Equipment:	Use OSHA approved self-contained breathing apparatus.

VI. ACCIDENTAL RELEASE MEASURES	
Personal Precautions:	Wear plastic or neoprene rubber gloves.
Environmental Precautions:	Observe all local, state, and federal regulations.
Spillage:	Absorb with dry, inert material and shovel up.

VII. HANDLING AND STORAGE	
Handling:	Keep away from open flame or sparks.
Storage:	Store in metal containers until disposal.

VIII. EXPOSURE CONTROL/PERSONAL PROTECTION	
Respiratory Protection:	Use an OSHA approved chemical respirator in confined areas or prolonged use over several minutes.
Hand Protection:	Plastic or Neoprene Rubber Gloves
Eye Protection:	Safety Goggles
Body Protection:	None

HMS SYMBOLS

Health	2
Flammability	4
Reactivity	0
PPI	B

MSDS-030

Effective Date: 3-8-90

Revised Date: 2-4-08

IX. PHYSICAL AND CHEMICAL PROPERTIES							
Physical State:	Aerosolized	Color:	Black	Odor:	Solvent		
Boiling Range/point, °F (°C):	-44 (-42)	Melting Point, °F (°C):	N/A				
Flash Point (T.C.C.), °F (°C):	-142 (-97)	Autoignition Temperature, °F (°C)	>800 (>427)				
Explosive Properties:	LEL: 1.8 UEL: N/A	Evaporation Rate (Butyl Acetate):	>1				
Partition Coefficient (Log Pow):	N/A	Vapor Pressure (kPa):	70				
Density:	0.81	Flammability:	Flammable				
Oxidizing Properties:	None	Solubilities in Water:	Nil	Vapor Density:	4	% Volatiles:	<60

X. STABILITY AND REACTIVITY	
Stability:	Unstable when heated above 100°F (38°C).
Conditions to Avoid:	Powerful sources of ignition and extreme temperatures.
Materials to Avoid:	Strong oxidizing agents.
Decomposition Products:	Oxides of carbon, chloride, and hydrocarbons.

XI. TOXICOLOGICAL INFORMATION							
Acute Toxicity:	N/A	Skin Irritancy:	Causes irritation.				
Chronic Toxicity:	N/A	Skin Sensitization:	N/A				
Sub-acute/Subchronic Toxicity:	Not Known	Genotoxicity:	Not Known				
California Prop 65:	Not Available	EC Classification (67/548/EEC):	R12/20				
Carcinogenicity:	NTP: No	IARC:	2B (Carbon Black)		OSHA:	No	
LC-50:	658 mg/m ³ , 260 mg/l, 3,400 ppm		LD-50:	>3 gm/kg			

XII. ECOLOGICAL INFORMATION	
Possible Effects:	Not determined.
Behavior:	Relatively well behaved. Bioaccumulation potential nil.
Environmental Fate:	Not thought to be toxic to marine or land organisms. Fluid is lower density than water.

XIII. WASTE DISPOSAL	
Product Disposal:	Contact waste disposal company or local authority for advice.
Container Disposal:	Observe all local, state, and federal regulations.

XIV. TRANSPORT INFORMATION				
DOT:	ORM - D	UN No.:	1950	
Air Transport (ICAO/IATA):	Aerosols, Flammable, Class 2.1 UN 1950, ERG #126			
Sea Transport (IMO/IMDG):	Aerosols, Flammable, Class 2.1 UN 1950, ERG #126			
Road and Rail Transport (ADR/RID):	Aerosols, Flammable, Class 2.1 UN 1950, ERG #126			

XV. REGULATORY INFORMATION					
Labeling Information:	DOT - None	EC Annex 1 Classification:	R12/20		
	All Others - "Flammable Gas"				
R Phrases:	R12/20 Extremely flammable. Harmful by inhalation.				
S Phrases:	S-3 Keep in a cool place; S-2 Keep away from children.				
Ozone Depleting Chemicals:	None	TSCA:	All Components are list.		
WHMIS (Canada):	Aerosols, Flammable, Class 2.1 UN 1950, ERG #126				
EPA Regulation 40 CFR Part 372 (SARA Section 313):	Ingredients in Section II with astricks.				

XVI. OTHER INFORMATION	
None	