

WHITMORE'S

MATERIAL SAFETY DATA SHEET

Not classified as hazardous according to Worksafe Australia.

I. IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY					
Product Name:	Open Chain Lubricant	Manufacturer/Supplier:			
Chemical Family:	Petroleum Hydrocarbon	The Whitmore Manufacturing Company			
Use:	Open Chain Lubricant	930 Whitmore Drive			
		Rockwall, Texas 75087, U.S.A.			
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					
<u>Hazardous Components</u>	<u>CAS No.</u>	<u>Wt%</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Other Limits of Exposure</u>
None					
III. ADVERSE HUMAN HEALTH EFFECTS					
Eyes:	Any eye contact will cause irritation.				
Skin:	Prolonged skin contact may cause irritation.				
Inhalation:	Breathing fumes in confined areas at elevated temperatures will cause lung irritation.				
Ingestion:	May be harmful if swallowed.				
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 source. If irritation persists, SEEK MEDICAL ATTENTION.				
Ingestion:	If cathartic effect persists, SEEK MEDICAL ATTENTION.				
V. FIRE FIGHTING MEASURES					
Extinguishing Media:	Foam, Dry Chemical, Carbon Dioxide				
Unsuitable Extinguishing Media:	None known.				
Fire Fighting Protective Equipment:	If product is overheated, use organic NIOSHA/MSHA filter-type respirator.				
VI. ACCIDENTAL RELEASE MEASURES					
Personal Precautions:	Wear plastic or neoprene rubber gloves and safety goggles.				
Environmental Precautions:	Check state regulatory requirements.				
Spillage:	Absorb with dry, inert material and shovel up.				
VII. HANDLING AND STORAGE					
Handling:	Keep away from open flame or sparks.				
Storage:	Keep away from open flame or sparks.				
VIII. EXPOSURE CONTROL/PERSONAL PROTECTION					
Respiratory Protection:	None				
Hand Protection:	Protective gloves for hypersensitive persons.				
Eye Protection:	Safety Goggles				
Body Protection:	None				

HMS SYMBOLS

	1
	1
Reactivity	0
PPI	B

MSDS-088

Effective Date: 11-18-85

Revised Date: 9-08-09

IX. PHYSICAL AND CHEMICAL PROPERTIES							
Physical State:	Liquid	Color:	Amber	Odor:	Petroleum		
Boiling Range/point, °F (°C):	N/A	Melting Point, °F (°C):	N/A				
Flash Point (COC), °F (°C):	375 (191)	Autoignition Temperature, °F (°C):	>600 (>316)				
Explosive Properties:	LEL: N/A	UEL: N/A	Evaporation Rate (Butyl Acetate):	N/A			
Partition Coefficient (Log Pow):	N/A	Vapor Pressure (kPa):	Nil				
Density:	0.88	Flammability:	N/A				
Oxidizing Properties:	None	Solubilities in Water:	Nil	Vapor Density:	N/A	% Volatiles:	Nil
X. STABILITY AND REACTIVITY							
Stability:	Chemically stable under normal conditions.						
Conditions to Avoid:	None known.						
Materials to Avoid:	Strong oxidizing agents.						
Decomposition Products:	Oxides of CO ₂ , CO, SO ₂ , P ₂ O ₅ .						
XI. TOXICOLOGICAL INFORMATION							
Acute Toxicity:	None	Skin Irritancy:	Very Mild				
Chronic Toxicity:	None	Skin Sensitization:	None				
Sub-acute/Subchronic Toxicity:	Not Known	Genotoxicity:	Not Known				
California Prop 65:	N/A	EC Classification (67/548/EEC):	N/A				
Carcinogenicity:	NTP: No	IARC:	No	OSHA:	No		
LC-50:	Not Available						
XII. ECOLOGICAL INFORMATION							
Possible Effects:	None known.						
Behavior:	Relatively well behaved. Bioaccumulation potential nil.						
Environmental Fate:	Not thought to be toxic to marine or land organisms.						
XIII. WASTE DISPOSAL							
Product Disposal:	Contact waste disposal company or local authority for advice.						
Container Disposal:	Check state regulatory requirements.						
XIV. TRANSPORT INFORMATION							
DOT:	Not Regulated	UN No.:	Not Regulated				
Air Transport (ICAO/IATA):	Not Regulated						
Sea Transport (IMO/IMDG):	Not Regulated						
Road and Rail Transport (ADR/RID):	Not Regulated						
XV. REGULATORY INFORMATION							
Labeling Information:	N/A	EC Annex 1 Classification:	N/A				
R Phrases:	N/A						
S Phrases:	S2 Keep out of the reach of children.						
Ozone Depleting Chemicals:	None/Nil	TSCA:	All components listed.				
WHMIS (Canada):	N/A						
EPA Regulation 40 CFR Part 372 (SARA Section 313):	None						
XVI. OTHER INFORMATION							
None							

WHITMORE'S

MATERIAL SAFETY DATA SHEET

Hazardous according to criteria of Worksafe Australia.

I. IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY					
Product Name:	Open Chain Lubricant (Aerosol)	Manufacturer/Supplier: The Whitmore Manufacturing Company 930 Whitmore Drive Rockwall, Texas 75087, U.S.A.			
Chemical Family:	Petroleum Hydrocarbon	U.S.A. & Canada 800-424-9300 (24 hrs)			
Use:	Open Chain Lubricant	International 703-527-3887 (Collect - 24 hr)			
Emergency Tel. No.:	CHEMTREC	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	6-10	1000 ppm	1000 ppm	800 ppm
III. ADVERSE HUMAN HEALTH EFFECTS					
Eyes:	Any eye contact will cause irritation.				
Skin:	Prolonged skin contact may 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 IMMEDIATE MEDICAL ATTENTION.				
Ingestion:	Do not induce vomiting. If irritation persists, SEEK MEDICAL ATTENTION.				
V. FIRE FIGHTING MEASURES					
Extinguishing Media:	Foam, Dry Chemical, Carbon Dioxide				
Unsuitable Extinguishing Media:	Not Determined				
Fire Fighting Protective Equipment:	Use OSHA approved self-contained breathing apparatus.				
VI. ACCIDENTAL RELEASE MEASURES					
Personal Precautions:	Wear OSHA approved self-contained breathing apparatus.				
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. Store in metal containers until disposal.				
Storage:	Store at temperatures below 120°F.				
VIII. EXPOSURE CONTROL/PERSONAL PROTECTION					
Respiratory Protection:	Wear NIOSH/MSHA organic, filter-type respirator in confined areas or in poor ventilation.				
Hand Protection:	None				
Eye Protection:	Safety Goggles				
Body Protection:	None				

HMS SYMBOLS

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Reactivity	0
PPI	C

MSDS-086

Effective Date: 8-2-96

Revised Date: 9-08-09

IX. PHYSICAL AND CHEMICAL PROPERTIES							
Physical State:	Aerosol	Color:	Amber	Odor:	Hydrocarbon		
Boiling Range/point, °F (°C):	-40 to 293 (-40 to 145)	Melting Point, °F (°C):	N/A				
Flash Point (T.C.C.), °F (°C):	-142 (-97)	Autoignition Temperature, °F (°C):	760 (404)				
Explosive Properties:	LEL: 1.8 UEL: 9.5	Evaporation Rate (Butyl Acetate):	<1				
Partition Coefficient (Log Pow):	N/D	Vapor Pressure (psi):	75 max (of can)				
Density:	0.88	Flammability:	Flammable				
Oxidizing Properties:	None	Solubilities in Water:	Nil	Vapor Density:	4.0	% Volatiles:	<10
X. STABILITY AND REACTIVITY							
Stability:	Store below 120°F (49°C).						
Conditions to Avoid:	Powerful sources of ignition and extreme temperatures.						
Materials to Avoid:	Strong oxidizing agents.						
Decomposition Products:	Oxides of carbon, phosphorus, & 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:	No	OSHA:	No		
LC-50:	N/D	LD-50:	N/D				
XII. ECOLOGICAL INFORMATION							
Possible Effects:	In extreme cases, may generate fractions that could act as a marine pollutant. Potential unlikely.						
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 and harmful by inhalation.						
S Phrases:	S-3 Keep in a cool place; S-2 Keep away from children.						
Ozone Depleting Chemicals:	None/Nil	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):	None						
XVI. OTHER INFORMATION							
None							