

# WHITMORE'S

## MATERIAL SAFETY DATA SHEET

Not classified as hazardous according to Worksafe Australia.

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

### HMS SYMBOLS

Health	1
Flammability	1
Reactivity	0
PPI	B

MSDS-088

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Revised Date: 9-19-06

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

# WHITMORE'S

## MATERIAL SAFETY DATA SHEET

Hazardous according to criteria of Worksafe Australia.

<b>I. IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY</b>					
<b>Product Name:</b>	<b>Open Chain Lubricant</b> (Aerosol)	<b>Manufacturer/Supplier:</b> The Whitmore Manufacturing Company 930 Whitmore Drive Rockwall, Texas 75087, U.S.A.			
<b>Chemical Family:</b>	Petroleum Hydrocarbon	U.S.A. & Canada 800-424-9300 (24 hrs)			
<b>Use:</b>	Open Chain Lubricant	International 703-527-3887 (Collect - 24 hr)			
<b>Emergency Tel. No.:</b>	CHEMTREC	Australia 00-111-703-527-3887 (Collect - 24 hr)			
<b>II. COMPOSITION INFORMATION ON INGREDIENTS</b>					
<b>Hazardous Components</b>	<b>CAS No.</b>	<b>Wt%</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>	<b>Australia TWA</b>
<b>Butane, Propane,</b>	106-97-8,	6-10	1000 ppm	1000 ppm	800 ppm
<b>Isobutane</b>	74-98-6, 75-28-5				
<b>III. ADVERSE HUMAN HEALTH EFFECTS</b>					
<b>Eyes:</b>	Any eye contact will cause irritation.				
<b>Skin:</b>	Prolonged skin contact may cause irritation.				
<b>Inhalation:</b>	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.				
<b>Ingestion:</b>	Ingestion causes gastrointestinal irritation, nausea, vomiting, and diarrhea. Aspiration of material into the lungs can cause chemical pneumonia which can be fatal.				
<b>IV. FIRST AID MEASURES</b>					
<b>Eyes:</b>	Flush with large amounts of cold water. If irritation persists, SEEK MEDICAL ATTENTION.				
<b>Skin:</b>	Thoroughly wash exposed area with soap and water.				
<b>Inhalation:</b>	Provide fresh air. If breathing difficulty persists, SEEK IMMEDIATE MEDICAL ATTENTION.				
<b>Ingestion:</b>	Do not induce vomiting. If irritation persists, SEEK MEDICAL ATTENTION.				
<b>V. FIRE FIGHTING MEASURES</b>					
<b>Extinguishing Media:</b>	Foam, Dry Chemical, Carbon Dioxide				
<b>Unsuitable Extinguishing Media:</b>	Not Determined				
<b>Fire Fighting Protective Equipment:</b>	Use OSHA approved self-contained breathing apparatus.				
<b>VI. ACCIDENTAL RELEASE MEASURES</b>					
<b>Personal Precautions:</b>	Wear OSHA approved self-contained breathing apparatus.				
<b>Environmental Precautions:</b>	Observe all local, state, and federal regulations.				
<b>Spillage:</b>	Absorb with dry, inert material and shovel up.				
<b>VII. HANDLING AND STORAGE</b>					
<b>Handling:</b>	Keep away from open flame or sparks. Store in metal containers until disposal.				
<b>Storage:</b>	Store at temperatures below 120°F.				
<b>VIII. EXPOSURE CONTROL/PERSONAL PROTECTION</b>					
<b>Respiratory Protection:</b>	Wear NIOSH/MSHA organic, filter-type respirator in confined areas or in poor ventilation.				
<b>Hand Protection:</b>	None				
<b>Eye Protection:</b>	Safety Goggles				
<b>Body Protection:</b>	None				

### HMS SYMBOLS

Health	1
Flammability	4
Reactivity	0
PPI	C

MSDS-086

Effective Date: 8-2-96

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<b>IX. PHYSICAL AND CHEMICAL PROPERTIES</b>							
<b>Physical State:</b>	Aerosol	<b>Color:</b>	Amber	<b>Odor:</b>	Hydrocarbon		
<b>Boiling Range/point, °F (°C):</b>	-40 to 293 (-40 to 145)	<b>Melting Point, °F (°C):</b>	N/A				
<b>Flash Point (T.C.C.), °F (°C):</b>	-142 (-97)	<b>Autoignition Temperature, °F (°C):</b>	760 (404)				
<b>Explosive Properties:</b>	<b>LEL:</b> 1.8 <b>UEL:</b> 9.5	<b>Evaporation Rate (Butyl Acetate):</b>	<1				
<b>Partition Coefficient (Log Pow):</b>	N/D	<b>Vapor Pressure (psi):</b>	75 max (of can)				
<b>Density:</b>	0.88	<b>Flammability:</b>	Flammable				
<b>Oxidizing Properties:</b>	None	<b>Solubilities in Water:</b>	Nil	<b>Vapor Density:</b>	4.0	<b>% Volatiles:</b>	<10
<b>X. STABILITY AND REACTIVITY</b>							
<b>Stability:</b>	Store below 120°F (49°C).						
<b>Conditions to Avoid:</b>	Powerful sources of ignition and extreme temperatures.						
<b>Materials to Avoid:</b>	Strong oxidizing agents.						
<b>Decomposition Products:</b>	Oxides of carbon, phosphorus, & hydrocarbons						
<b>XI. TOXICOLOGICAL INFORMATION</b>							
<b>Acute Toxicity:</b>	N/A	<b>Skin Irritancy:</b>	Causes irritation.				
<b>Chronic Toxicity:</b>	N/A	<b>Skin Sensitization:</b>	N/A				
<b>Sub-acute/Subchronic Toxicity:</b>	Not Known	<b>Genotoxicity:</b>	Not Known				
<b>California Prop 65:</b>	Not Available	<b>EC Classification (67/548/EEC):</b>	R12/20				
<b>Carcinogenicity:</b>	<b>NTP:</b> No	<b>IARC:</b>	No	<b>OSHA:</b>	No		
<b>LC-50:</b>	N/D	<b>LD-50:</b>	N/D				
<b>XII. ECOLOGICAL INFORMATION</b>							
<b>Possible Effects:</b>	In extreme cases, may generate fractions that could act as a marine pollutant. Potential unlikely.						
<b>Behavior:</b>	Relatively well behaved. Bioaccumulation potential nil.						
<b>Environmental Fate:</b>	Not thought to be toxic to marine or land organisms. Fluid is lower density than water.						
<b>XIII. WASTE DISPOSAL</b>							
<b>Product Disposal:</b>	Contact waste disposal company or local authority for advice.						
<b>Container Disposal:</b>	Observe all local, state, and federal regulations.						
<b>XIV. TRANSPORT INFORMATION</b>							
<b>DOT:</b>	ORM - D	<b>UN No.:</b>	1950				
<b>Air Transport (ICAO/IATA):</b>	Aerosols, Flammable, Class 2.1, UN 1950, ERG # 126						
<b>Sea Transport (IMO/IMDG):</b>	Aerosols, Flammable, Class 2.1, UN 1950, ERG # 126						
<b>Road and Rail Transport (ADR/RID):</b>	Aerosols, Flammable, Class 2.1, UN 1950, ERG # 126						
<b>XV. REGULATORY INFORMATION</b>							
<b>Labeling Information:</b>	DOT - None		<b>EC Annex 1 Classification:</b>	R12/20			
	All Others - "Flammable Gas"						
<b>R Phrases:</b>	R12/20 Extremely flammable and harmful by inhalation.						
<b>S Phrases:</b>	S-3 Keep in a cool place; S-2 Keep away from children.						
<b>Ozone Depleting Chemicals:</b>	None/Nil		<b>TSCA:</b>	All Components are list.			
<b>WHMIS (Canada):</b>	Aerosols, Flammable, Class 2.1, UN 1950, ERG # 126						
<b>EPA Regulation 40 CFR Part 372 (SARA Section 313):</b>	None						
<b>XVI. OTHER INFORMATION</b>							
None							