



MATERIAL SAFETY DATA SHEET

Not classified as hazardous according to criteria of Worksafe Australia.

I. IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY			
Product Name:	Medallion Penetrating Oil	Manufacturer/Supplier:	
Chemical Family:	Petroleum Hydrocarbon	The Whitmore Manufacturing Company	
Use:	Penetrating Oil	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

Health	0
Flammability	1
Reactivity	0
PPI	B

MSDS-143

Effective Date: 10-28-93

Revised Date: 9-19-06

IX. PHYSICAL AND CHEMICAL PROPERTIES			
Physical State:	Liquid	Color:	Water-White
Boiling Range/point, °F (°C):	N/A	Melting Point, °F (°C):	N/A
Flash Point (COG), °F (°C):	350 (188)	Autoignition Temperature, °F (°C):	>600 (>316)
Explosive Properties:	LEL: N/A UEL: N/A	Evaporation Rate (Butyl Acetate):	Nil
Partition Coefficient (Log Pow):	N/A	Vapor Pressure (kPa):	N/A
Density:	0.88	Flammability:	N/A
Oxidizing Properties:	None	Solubilities in Water:	Nil
		Vapor Density:	>1
		% 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, and hydrocarbons.

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
LC-50:	Not Available	OSHA:	No
		LD-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
WHMIS (Canada):	N/A
TSCA:	All components listed.
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:	Medallion™ Penetrating Oil (Aerosol)	Manufacturer/Supplier: The Whitmore Manufacturing Company 930 Whitmore Drive Rockwall, Texas 75087, U.S.A.			
Chemical Family:	Petroleum Hydrocarbons				
Use:	Penetrating Fluid				
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	25-35	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 (49°C).				
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

Health	1
Flammability	4
Reactivity	0
PPI	C

MSDS-109

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IX. PHYSICAL AND CHEMICAL PROPERTIES							
Physical State:	Aerosol	Color:	Water White	Odor:	Hydrocarbons		
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):	N/D				
Explosive Properties:	LEL: 1.8 UEL: 9.5	Evaporation Rate (Butyl Acetate):	<0.1				
Partition Coefficient (Log Pow):	N/D	Vapor Pressure (psi):	70 max. (of can)				
Density:	0.88	Flammability:	Flammable				
Oxidizing Properties:	None	Solubilities in Water:	Slight	Vapor Density:	N/D	% Volatiles:	<35
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:	CO, CO ₂ , and oxides of carbon.						
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:	Unknown						
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 listed.			
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							

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MATERIAL SAFETY DATA SHEET

I. IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY					
Product Name:	Medallion™ Penetrating Oil	Manufacturer/Supplier:		The Whitmore Manufacturing Company	
Chemical Family:	Petroleum Hydrocarbon	930 Whitmore Drive		Rockwall, Texas 75087, U.S.A.	
Use:	Penetrating Fluid				
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:	Prolonged breathing of vapors will cause lung irritation and may be harmful to your health.				
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:	Drink water. Induce vomiting if victim is conscious. SEEK MEDICAL ATTENTION.				
V. FIRE FIGHTING MEASURES					
Extinguishing Media:	Water, Carbon Dioxide, and Foam				
Unsuitable Extinguishing Media:	Not Known				
Fire Fighting Protective Equipment:	Use self-contained breathing apparatus and protective clothing.				
VI. ACCIDENTAL RELEASE MEASURES					
Personal Precautions:	Avoid eye contact and breathing of any mist or vapors.				
Environmental Precautions:	Process through sewage or waste disposal system which provides biological oxidation.				
Spillage:	Contain spill and prevent entering public waterways.				
VII. HANDLING AND STORAGE					
Handling:	Avoid strong oxidizers.				
Storage:	Avoid strong oxidizers.				
VIII. EXPOSURE CONTROL/PERSONAL PROTECTION					
Respiratory Protection:	Wear NIOSH/MSHA organic, filter-type respirator suitable for confined areas or in poor ventilation in the presence of mist, fumes, or vapors.				
Hand Protection:	Protective gloves for hypersensitive persons.				
Eye Protection:	Safety Goggles				
Body Protection:	None				

HMS SYMBOLS

	1
	1
Reactivity	0
PPI	B

MSDS-111

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IX. PHYSICAL AND CHEMICAL PROPERTIES			
Physical State:	Liquid	Color:	Water White
Boiling Range/point, °F (°C):	N/A	Melting Point, °F (°C):	N/A
Flash Point (COC), °F (°C):	350 (188)	Autoignition Temperature, °F (°C):	N/A
Explosive Properties:	LEL: N/A UEL: N/A	Evaporation Rate (Butyl Acetate):	N/A
Partition Coefficient (Log Pow):	N/A	Vapor Pressure (psi):	150 max. (of can)
Density:	0.88	Flammability:	Not Flammable
Oxidizing Properties:	None	Solubilities in Water:	Nil
		Vapor Density:	N/D
		% Volatiles:	Nil
X. STABILITY AND REACTIVITY			
Stability:	Chemically stable under normal conditions.		
Conditions to Avoid:	Store below 120°F (49°C).		
Materials to Avoid:	Strong oxidizing agents.		
Decomposition Products:	Oxides of carbon, sulfur, and phosphorus.		
XI. TOXICOLOGICAL INFORMATION			
Acute Toxicity:	Not Known	Skin Irritancy:	Very Mild
Chronic Toxicity:	Not Known	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	LD-50:	Not Available
XII. ECOLOGICAL INFORMATION			
Possible Effects:	Not Known		
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.:	1002
Air Transport (ICAO/IATA):	Air, Compressed, Class 2.2, UN 1002, ERG # 122		
Sea Transport (IMO/IMDG):	Air, Compressed, Class 2.2, UN 1002, ERG # 122		
Road and Rail Transport (ADR/RID):	Air, Compressed, Class 2.2, UN 1002, ERG # 122		
XV. REGULATORY INFORMATION			
Labeling Information:	DOT - None	EC Annex 1 Classification:	N/A
	All Others - "Nonflammable Gas"		
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):	Air, Compressed, Class 2.2, UN 1002, ERG # 122		
EPA Regulation 40 CFR Part 372 (SARA Section 313):	None		
XVI. OTHER INFORMATION			
None			