



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
Chemical Family:	Petroleum Hydrocarbons	930 Whitmore Drive	
Use:	Penetrating Fluid	Rockwall, Texas 75087, U.S.A.	
Emergency Tel. No.:	CHEMTREC U.S.A. & Canada International Australia	800-424-9300 (24 hrs) 703-527-3887 (Collect - 24 hr) 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

HMIS SYMBOLS

Health	1
Flammability	4
Reactivity	0
PPI	C

MSDS-109

Effective Date: 05-27-87

Revised Date: 8-22-12

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
LC-50:	N/D	OSHA:	No
		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