

WHITMORE'S

MATERIAL SAFETY DATA SHEET

Hazardous according to criteria of Worksafe Australia.

I. IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY					
Product Name:	EZ Switch® Spray	Manufacturer/Supplier:			
Chemical Family:	Petroleum Hydrocarbon	The Whitmore Manufacturing Company			
Use:	Aerosol Dry Film 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>Australia TWA</u>
Butane, Propane, Isobutane	106-97-8, 74-98-6, 75-28-5	25-30	1000 ppm	1000 ppm	800 ppm
Aliphatic Solvent	71-36-3	10-11	100 ppm	50 ppm	50 ppm
Naphthenic Solvent	1330-20-07	10.5-12	100 ppm	100 ppm	50 ppm
Aliphatic Solvent	8032-32-4	8-9	N/D	300 ppm	480 ppm
Aliphatic Hydrocarbon	142-82-5	20-21	500 ppm	400 ppm	50 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				

HMSI SYMBOLS

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Reactivity	0
PPI	C

MSDS-480

Effective Date: 5-3-06

Revised Date: 5-18-09

IX. PHYSICAL AND CHEMICAL PROPERTIES								
Physical State:	Aerosol	Color:	Black	Odor:	Solvent			
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:	7.10-7.20 lb/gal (without propellant)		Flammability:	Flammable				
Oxidizing Properties:	None	Solubilities in Water:	Nil	Vapor Density:	4.0	% Volatiles:	73-75	
X. STABILITY AND REACTIVITY								
Stability:	Unstable							
Conditions to Avoid:	Powerful sources of ignition and extreme temperatures.							
Materials to Avoid:	Strong oxidizing agents.							
Decomposition Products:	Oxides of carbon & 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 Applicable		EC Classification (67/548/EEC):	R12/20/22				
Carcinogenicity: NTP:	No		IARC:	2B (Carbon Black)		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):	Flammable Aerosol, Class 2.1, UN 1950, ERG #126							
Sea Transport (IMO/IMDG):	Flammable Aerosol, Class 2.1, UN 1950, ERG #126							
Road and Rail Transport (ADR/RID):	Flammable Aerosol, Class 2.1, UN 1950, ERG #126							
XV. REGULATORY INFORMATION								
Labeling Information:	DOT - None All Others (Flammable Gas)		EC Annex 1 Classification:	R12/20/22				
R Phrases:	R12/20/22 Extremely flammable. Harmful by inhalation and if swallowed.							
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):	Flammable Aerosol, Class 2.1, UN 1950, ERG #126							
EPA Regulation 40 CFR Part 372 (SARA Section 313):	See Section II for ingredients with asterick.							
XVI. OTHER INFORMATION								
None								