



Chemical Name: Multi-service Lubricant

Manufacturer: Surtac 2000

Container size: 12oz.

Location: VLA

Disposal: Place empty container in trash.

WHITMORE'S

MATERIAL SAFETY DATA SHEET

Hazardous according to criteria of Worksafe Australia.

I. IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY					
Product Name:	Surtac® 2000 (All Grades & Aerosol Base)		Manufacturer/Supplier: The Whitmore Manufacturing Company 930 Whitmore Drive Rockwall, Texas 75087, U.S.A.		
Chemical Family:	Petroleum Hydrocarbon		703-527-3887 (Collect - 24 hr)		
Use:	Multi-Service Lubricant		00-111-703-527-3887 (Collect - 24 hr)		
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>
Antimony (Elemental)	7440-36-0	0.2-0.4	0.5 mg/m³	0.5 mg/m³	0.5 mg/m³
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.				
Ingestion:	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. If breathing difficulty persists, SEEK IMMEDIATE MEDICAL ATTENTION.				
Ingestion:	If cathartic effect persists, SEEK MEDICAL ATTENTION.				
V. FIRE FIGHTING MEASURES					
Extinguishing Media:	Foam, Dry Chemical, Carbon Dioxide				
Unsuitable Extinguishing Media:	Not Known				
Fire Fighting Protective Equipment:	Use organic NIOSHA/MSHA filter-type respirator.				
VI. ACCIDENTAL RELEASE MEASURES					
Personal Precautions:	Wear plastic or neoprene rubber gloves and safety goggles.				
Environmental Precautions:	Do not allow it to enter drains.				
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:	If overheated, use organic NIOSHA/MSHA filter-type respirator.				
Hand Protection:	Protective gloves for hypersensitive persons.				
Eye Protection:	Safety Goggles				
Body Protection:	None				

HMIS SYMBOLS

	1
	1
Reactivity	0
PPI	B

MSDS-002

Effective Date: 1-9-91

Revised Date: 9-30-09

IX. PHYSICAL AND CHEMICAL PROPERTIES					
Physical State:	Paste	Color:	Black	Odor:	Petroleum
Boiling Range/point, °F (°C)	N/A	Melting Point, °F (°C):	N/A		
Flash Point (COC), °F (°C)	>230 (>110)	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:	0.99-1.01	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:	Powerful sources of ignition and extreme temperatures.				
Materials to Avoid:	Strong oxidizing agents.				
Decomposition Products:	Oxides of carbon, antimony, & sulfur.				
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):	R20/22		
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.				
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:	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:	Not Regulated	EC Annex 1 Classification:	R20/22		
R Phrases:	N/A				
S Phrases:	S25 Avoid contact with eyes.				
	S46 If swallowed, seek medical advice immediately, and show this container or label.				
Ozone Depleting Chemicals:	None/Nil	TSCA:	All components listed.		
WHMIS (Canada):	Not Regulated				
EPA Regulation 40 CFR Part 372 (SARA Section 313):	See Section II.				
XVI. OTHER INFORMATION					
None					



MATERIAL SAFETY DATA SHEET

Hazardous according to criteria of Worksafe Australia.

I. IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY					
Product Name:	Surtac® 2000 (Aerosol)		Manufacturer/Supplier: The Whitmore Manufacturing Company 930 Whitmore Drive Rockwall, Texas 75087, U.S.A.		
Chemical Family:	Petroleum Hydrocarbon		300 Whitmore Drive		
Use:	Multi-Service Lubricant		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					
Hazardous Components	CAS No.	Wt%	OSHA PEL	ACGIH TLV	Australia TWA
Propane, N-Butane	74-98-6, 106-97-8	25-30	1000 ppm	1000 ppm	800 ppm
Antimony (Elemental)*	7440-36-0	1-2	0.5 mg/m³	0.5 mg/m³	0.5 mg/m³
Naphtha Aliphatic Solvent	8032-32-4	5-8	N/D	300 ppm	480 ppm
Aliphatic Hydrocarbon	110-54-3	18-20	50 ppm	50 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				

HMIS SYMBOLS

Health	1
Flammability	4
Reactivity	0
PPI	C

MSDS-003

Effective Date: 1-9-91

Revised Date: 2-13-08

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:	0.70	Flammability:	Flammable				
Oxidizing Properties:	None	Solubilities in Water:	Nil	Vapor Density:	4.0	% Volatiles:	60
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 antimony, carbon phosphorus, sulfur, & 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):	R12/20/22			
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):	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 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):	Aerosols, Flammable, Class 2.1, UN 1950, ERG #126						
EPA Regulation 40 CFR Part 372 (SARA Section 313):	See Section II for ingredients with asterisk (*).						
XVI. OTHER INFORMATION							
None							