



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 <i>(All Grades & Aerosol Base)</i>	Manufacturer/Supplier:	The Whitmore Manufacturing Company 930 Whitmore Drive Rockwall, Texas 75087, U.S.A.
Chemical Family:	Petroleum Hydrocarbon		
Use:	Multi-Service Lubricant		
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					
<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/m ³	0.5 mg/m ³	0.5 mg/m ³

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

HMS 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

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 (Aerosol)	Manufacturer/Supplier: The Whitmore Manufacturing Company 930 Whitmore Drive Rockwall, Texas 75087, U.S.A.			
Chemical Family:	Petroleum Hydrocarbon	International 703-527-3887 (Collect - 24 hr)			
Use:	Multi-Service Lubricant	Australia 00-111-703-527-3887 (Collect - 24 hr)			
Emergency Tel. No.:	CHEMTREC	U.S.A. & Canada	800-424-9300 (24 hrs)		
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>
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/m ³	0.5 mg/m ³	0.5 mg/m ³
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				

HMS 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		EC Annex 1 Classification:	R12/20/22				
	All Others - Flammable Gas"							
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							