

SECTION I-MATERIAL IDENTIFICATION AND USE

Material Name/Identifier:	Chain Saw Oil	Stock No.	494/498
Manufacturer's Name:	Kleen-Flo Tumbler Industries Ltd	Street Address:	75 Advance Blvd.
City:	Brampton	Province:	Ontario
Postal Code:	L6T 4N1	Emergency Phone #:	(905) 793-4311
Chemical Name:	Lubricating Oil	Chemical Family:	Petroleum Oil
Chemical Formula:	N/Av.	Trade Names & Synonyms:	None
Material Use:	Lubricant	Molecular Weight:	N/A

SECTION II-HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredients	C.A.S.	Approximate % concentration	LD50 Species & Route	LC50 Species & Route
Paraffinic Mineral Oil	64742-58-1	60 -100	> 2g/kg rat-oral	N/A
Lubricating oil, bright stock	72623-83-7	<1	<5 g/kg rat-oral	N/A

This material is not known to contain any chemical listed as a carcinogen or suspected carcinogen by U.S. OSHA, IRAC or the U.S. National Toxicology Program (NTP) at a concentration greater than 0.1%.

SECTION III-PHYSICAL DATA FOR MATERIAL

Physical State:	Liquid Oil	Odour/Appearance:	characteristic mineral oil odour/dark red liquid
Specific Gravity:	0.88	Odour Threshold(p.p.m.):	N/E
Boiling Point:	246 oC minimum	Evaporation Rate:	N/E
Freezing Point:	N/E	Solubility in Water:	None
% Volatile(by volume):	Nil	Vapour Pressure(mm)Hg:	N/E
Vapour Density(Air=1):	N/E	Coefficient of Water/Oil Distribut:	N/A
pH	N/A		

SECTION IV-FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammability Yes/No	No	If yes under which conditions:	N.Ap.
Auto Ignition Temperature:	N/E	Means of Extinction: Water fog, dry chemicals, foam, Carbon dioxide	
Flashpoint and Method:	190 oC minimum Tag CC	Hazardous Combustion Products:	N/E
Upper Flammable limit %vol.	10	Lower Flammable Limit(% by volume):	1
Explosion Data:	Sensitivity to Mech. Impact: N. Ap	Sensitivity to Static Discharge:	N. Ap

SECTION V-REACTIVITY DATA

Chemical Stability Yes/No:	Yes	If no, under which conditions?	N.Ap.
Incompatibility to Other Substances Yes/No:	Yes	If so which ones?	Strong oxidizing agents.
Reactivity and under what conditions?	N/E		
Hazardous Decomposition Products:	Thermal decomposition may produce oxides of carbon and asphyxiants.		

N/E: not established

N.Ap.: not applicable

N/A: not available

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SECTION VI-TOXICOLOGICAL PROPERTIES OF PRODUCT

Route of Entry: ALL Routes	--SKIN CONTACT --SKIN ABSORPTION --EYE CONTACT --INHALATION --INGESTION		
Effects of Acute Exposure:	May cause eye irritation, nausea, vomiting, cough, pulmonary edema.		
Effects of Chronic Exposure:	None known		
LD 50 of Product:	> 10000 mg/kg -oral, 2000 mg/kg - dermal	LC 50 of Product:	N/E
Irritancy of Product:	Eye irritant	Exposure Limits of Product:	N/E

Sensitization of Product:	N/E	Toxicologically Synergistic Materials:	N/E
--CARCINOGENICITY --REPRODUCTIVE EFFECTS --TERATOGENICITY --MUTAGENICITY			Presently not listed
SECTION VII-PREVENTIVE MEASURES			
Personal Protective Equipment to be used:			
Gloves(specify):	Neoprene or Nitrile Rubber	Eye(specify):	Chemical splash goggles
Respiratory(specify):	If oil vaporation is occurring use an air purifying respirator	Clothing:	Not Required
Respiratory Protection:	If used indoors or on a continuous basis, use of cartridge type respirator is recommended		
Engineering Controls:	Use in open spaces.		
Leak and Spill Procedure:	Dyke and absorb with inert material. Pick-up free liquid for recycling. Keep out of sewer and water systems.		
Waste Disposal:	Re-refining; incinerate according to regulations.		
Storage Requirements:	Store at room temperature. Keep lid on when not in use.		
Handling Procedures and			
Equipment:	Handle all chemicals with care. Keep away from children.		
TDG Classification:	Not regulated		
WHMIS Classification:	Non controlled.		
SECTION VIII-FIRST AID MEASURES			
Eye:	Flush with water for 10 - 15 minutes. If irritation persists consult a physician.		
Skin:	Wash with soap and water.		
Inhalation:	Move patient to fresh air and restore breathing if required.		
Ingestion:	DO NOT INDUCE VOMITING. Consult a physician.		
Note to Physician:	In general, lubricating oils have a low oral toxicity.		
SECTION IX-PREPARATION DATE OF M.S.D.S.			
Additional Info/Comments:			
Phone Number:	(905) 793-4311	Prepared By: Quality Control Laboratory	
Date:	January 9, 2006.	Kleen-Flo Tumbler Industries Limited	
THIS SHEET SUPERSEDES ANY OTHER M.S.D.S. PREVIOUSLY PREPARED			
N/A: not available		N/E: not established	