

KLEEN-FLO TUMBLER INDUSTRIES LIMITED			MATERIAL SAFETY DATA SHEET		PAGE 1
SECTION I-MATERIAL IDENTIFICATION AND USE					
Material Name/Identifier:	Air Tool Oil	Stock No.	U4168/U4169/U4170		
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:	N/Ap. (mixture)	Chemical Family:	N/Ap. (mixture)		
Chemical Formula:	N/Ap. (mixture)	Trade Names & Synonyms:	None		
Material Use:	Lubricant	Molecular Weight:	N/Ap. (mixture)		
SECTION II-HAZARDOUS INGREDIENTS OF MATERIAL					
Hazardous Ingredients	Approximate Concentration, %	C.A.S.	LD50 Species & Route	LC50 Species & Route	
Hydrotreated petroleum oil	40-70	64742-58-1	N/A	N/A	
Petroleum residual oil	15-40	64742-62-7	>10000 mg/kg rat-oral	N/A	
Hydrocarbon Distillate	10-30	8052-41-3	8ml/kg rat-oral	N/A	
Zinc C1-C14 alkylidithiophosphates	<1	68649-42-3	N/A	N/A	
SECTION III-PHYSICAL DATA FOR MATERIAL					
Physical State:	Liquid	Odour/Appearance:	Pleasant odour/ Clear, red oil		
Specific Gravity:	0.84	Odour Threshold(p.p.m.):	N/E		
Boiling Point:	160°C	Evaporation Rate:	N/E		
Freezing Point:	N/E	Solubility in Water:	Insoluble		
% Volatile(by volume):	15-16 %	Vapour Pressure(mm)Hg:	N/E		
Vapour Density(Air=1):	N/E	Coefficient of Water/Oil Distribut:	N/E		
pH:	N/A				
SECTION IV-FIRE AND EXPLOSION HAZARD OF MATERIAL					
Flammability (Yes/No)	Yes	If yes under which conditions: combustible liquid, may form combustible vapours at or above flash point			
Auto Ignition Temperature:	N/E	Means of Extinction: Carbon dioxide, dry chemical, foam, water fog			
Flash Point,	85°C	Hazardous Combustion Products:		Carbon monoxide,	
		carbon dioxide and black fumes			
Upper Flammable Limit (%vol)	15-16	Lower Flammable Limit (% by volume):		N/E	
Explosion Data:	Sensitivity to Mechanical Impact: No.	Sensitivity to Static Discharge:		No	
SECTION V-REACTIVITY DATA					
Chemical Stability Yes/No:	Yes	If NO under r which conditions?			
Incompatibility to Other Substances Yes/No:	Yes	If so which ones?		Strong oxidizing agents	
Reactivity and under what conditions?	Not reactive				
Hazardous Decomposition Products:	Oxides of carbon, Sulfur,Phosphorous, Calcium & Zinc.				
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:	--SKIN CONTACT -x-SKIN ABSORPTION -x-EYE CONTACT -x-INHALATION -x-INGESTION				
Effects of Acute Exposure:	Negligible hazard at room temperatures. At elevated temp, it may form vapors, mists or fumes which may be irritating to the eyes, nose, throat and lungs No hazard would expected for skin contact.				
Effects of Chronic Exposure:	Prolonged skin contact may cause dermatitis				

LD 50 of Product:	N/E	LC 50 of Product:	N/E
Irritancy of Product:	Slight irritation to eyes	Exposure Limits of Product:	N/E
Sensitization of Product:	None known	Toxicologically Synergistic Materials:	N/E
--CARCINOGENICITY --REPRODUCTIVE EFFECTS --TERATOGENICITY --MUTAGENICITY			None Known
SECTION VII-PREVENTIVE MEASURES			
Personal Protective Equipment to be used:			
Gloves(specify):	Rubber	Eye (specify):	Eye Glasses
Respiratory(specify):	Not required	Clothing:	Not required
Respiratory Protection:	If used indoors or on a continuous basis, use of cartridge type respirator is recommended		
Engineering Controls:	For used in short duration, engineering control is not required.		
	for prolonged or continuous uses, local ventilation is recommended.		
Leak and Spill Procedure:	Dike and absorb spill with inert material, keep spill out of sewers.		
	Wash area with detergent and water.		
Waste Disposal:	Treated as waste mineral oil. Use incineration or dispose at recycling depots.		
Storage Requirements:	Keep at room temperature		
Handling Procedures and	Use grounding cable for pumping or discharging product. Keep away from open flame or fire.		
Equipment:			
DSL listing:	All components are listed on the inventory.		
TDG Classification:	Not regulated		
WHMIS Classification:	Non-Controlled	Complies with CCCR 2001.	
SECTION VIII-FIRST AID MEASURES			
Eye:	Rinse thoroughly with tap water 10-15 minutes. Seek medical help.		
Skin:	Wash with soap and water.		
Inhalation	Remove patient from further exposure. Avoid aspiration.		
Ingestion:	DO NOT INDUCE VOMITING. Get medical help/		
SECTION IX-PREPARATION DATE OF M.S.D.S.			
Additional Info/Comments:		Sources Used: Handbook of Poisoning By: R.H. Dreisbach	
Phone Number:	(905) 793-4311	Prepared By: Quality Control Laboratory	
Date:	January 26, 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	