KLEEN-FLO TUMBLER INDUSTRIES LIMITED

MATERIAL SAFETY DATA SHEET

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SECTION I-MATERIAL IDENTIFIC	CATION AND USE						
Material Name/Identifier:	Air Tool Oil		Stock No.			4168/4169/4170	
Manufacturer's Name:	Kleen-Flo Tumbler Industries Ltd		Street Address:			75 Advance Blvd.	
City:	Brampton		Province:		Ontario		
Postal Code:	L6T 4N1		Emergency Phone #: CANUTEC:-		613-996-6666 (24HR)		
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 INGREE	IENTS OF MATERIA	L					
Hazardous	Approximate	C.A.S.	LD50		LC50		
Ingredients	Concentration, %		Species & Route		Species & Route		
Hydrotreated petroleum oil	60-100	64742-58-1	>2000 mg/kg rat-oral		N/Av.		
Naphthenic Oil	1 -10	64742-52-5	>2000 mg/kg rat-oral		N/Av.		
Hydrocarbon Distillate	1 -10	8052-41-3	> 5 g/kg rat-oral		> 5 g/m3 rat-inh.		
Zinc C1-C14 alkyldithiophosphates	<1	68649-42-3	N/Av.		N/Av.		
SECTION III-PHYSICAL DATA FO	R MATERIAL			Γ			
Physical State:	Liquid	Odour/Appearance:		Pleasant odour/ Clear, red oil			
Specific Gravity:	0.84	Odour Threshold(p.p.m.):		N/E			
Boiling Point:	>129°C	Evaporation Rate:		N/E			
Freezing Point:	N/E	Solubility in Water:		Insoluble			
% Volatile(by volume):	N/Av.	Vapour Pressure(mm)Hg:		N/E			
Vapour Density(Air=1):	N/E	Coefficient of Water/Oil Distribut:		N/E			
pH:	N/Av.						
SECTION IV-FIRE AND EXPLOSIO	N HAZARD OF MATE	ERIAL	Γ				
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, Tag. C.C	69°C	Hazardous Combustion Products: oxides of carbon, sulfur, zinc,					
	1		phosphorous,	calcium. Hy	drogen sulfide	e, alkyl mercaptons.	
Upper Flammable Limit (%vol)	15-16		Lower Flammable Limit (% by volume):			1	
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:		Ves If so which ones? Strong oxidizing agents					
Reactivity and under what conditions?		Not reactive under normal condition					
Hazardous Decomposition Products:	Oxides of carbon, Sulfur, Phosphorous, Calcium & Zinc.						
N/E: not established N.Ap.:not applicable N/Av.: not available							

Material Name/Identifier:	Air Tool Oil	Stock No. U4168/ U41	69/ U4170 PAGE 2				
SECTION VI-TOXICOLOGICAL P	ROPERTIES OF PRODUCT						
Route of Entry:	SKIN CONTACT -x-SKIN ABSORPTION -x-EYE CONTACT -x-INHALATION -x-INGESTION						
Effects of Acute Exposure:	May cause skin, eye irritation, dizziness, headache, vomiting, nausea, cough, pulmonary irritation						
Effects of Chronic Exposure:	Prolong, repeated eye and skin contact can cause severe eye irritation, dermatitis.						
LD 50 of Product:	N/E	LC 50 of Product:	N/E				
Irritancy of Product:	Eyes, skin	Exposure Limits of Product:	N/E				
Sensitization of Product:	None known	Toxicologically Synergistic Materials:	N/E				
CARCINOGENICITYREPROD	UCTIVE EFFECTSTERATOGENICITYMU	TAGENICITY	None Known				
<u>SECTION VII-PREVENTIVE MEA</u> Personal Protective Equipment to be							
Gloves(specify):	Nitrile, chemical resistant gloves						
Respiratory(specify):	Not required in normal use	Clothing: Not required	d				
Respiratory Protection:	If used indoors or on a continuous basis, use of NIOSH approved cartridge type respirator is recommended						
Engineering Controls:	Local or mechanical ventilation						
Leak and Spill Procedure:	Dike and absorb spill with inert absorbant material, keep spill out of sewers.						
Waste Disposal:	Dispose according to federal, state (Provincial) and local regulations						
Storage Requirements:	Keep at room temperature. Keep container closed when not in use.						
Handling Procedures and	Keep away from children. Handle with care. Do not inhale or ingest.						
Equipment:	Keep away from excessive heat, open flame, source of ignition.						
DSL listing:	All components are listed on the inventory.						
TDG Classification:	Not regulated						
WHMIS Classification:	B3, D2B Complies with CCCR 2001. (non-controlled)						
SECTION VIII-FIRST AID MEASU	RES						
Eye:	Flush immediately with running water for at least 15 minutes. Consult physician immediately.						
Skin:	Remove contiminated clothing. Rinse with plenty of soapy. See doctor if irritation persist.						
Inhalation	Remove to fresh air. Restore breathing if required. See doctor if discomfort persist.						
Ingestion:	DO NOT INDUCE VOMITING. If person conscious, give a glasses of water. See doctor immediately.						
SECTION IX-PREPARATION DAT	E OF M.S.D.S.						
Additional Info/Comments:		Sources Used: Handbook of Poisoning By	y: R.H. Dreisbach				
Phone Number:	(905) 793-4311	Prepared By: Quality Control Laboratory					
Date Prepared:	Janaury 2, 2015. Kleen-Flo Tumbler Industries Limited						
THIS SHEET SUPERSEDES ANY OTHER M.S.D.S. PREVIOUSLY PREPARED							
N/E: not established	N.Ap.:not applicable		N/Av.: not available				