

SECTION I-MATERIAL IDENTIFICATION AND USE

Material Name/Identifier:	Hydraulic Jack Oil	Stock No.		924/925/928
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:		Petroleum Oil
Chemical Formula:	N.Ap. (Mixture)	Trade Names & Synonyms:		Hydraulic Oil
Material Use:	Lubricating Hydraulic Oil	Molecular Weight:		N.Ap.(Mixture)

SECTION II-HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredients	C.A.S.	Approximate Conc. % wt.	LD50 Species & Route	LC50 Species & Route
Hydrotreated parafinic Oil	64742-58-1	60-100%	> 2000mg/kg-rat	N/Av.
Zinc alkylldithiophosphate	4259-15-8	0.1 - 1.0	N/Av.	N/Av.

SECTION III-PHYSICAL DATA FOR MATERIAL

Physical State:	Liquid	Odor/Appearance:	Characteristic petroleum odor/ clear light amber oil
Specific Gravity:	0.85-0.86	Odor Threshold(p.p.m.):	N/E
Boiling Point:	>129°C	Evaporation Rate:	N/E
Freezing Point:	< -20°C	Solubility in Water:	Nil
% Volatile(by volume):	None	Vapor Pressure(mm)Hg:	N/E
Vapor Density(Air=1):	N/E	Coefficient of Water/Oil Distribut:	N/E
pH	N/Ap		

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: carbon dioxide, dry chemical, foam, water fog	
Flashpoint and Method:	165°C TCC	Hazardous Combustion Products: oxides of carbon, sulfur, zinc,	
		phosphorous, calcium. Hydrogen sulfide, alkyl mercaptans.	
Upper Flammable limit		Lower Flammable Limit(% by volume):	N/E
(% 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 which conditions?	N.Ap.
Incompatibility to Other Substances Yes/No:	Yes	If so which ones? Avoid acids, oxidizing agents & halogens	
Reactivity and under what conditions?	Open flame, fire, excessive heat		
Hazardous Decomposition Products:	Oxides of carbon, sulfur, phosphorus, calcium and zinc. Hydrogen sulfide. Alkylmercaptan		

N/E: not established

N.Ap.: not applicable

N/Av.: not available

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SECTION VI-TOXICOLOGICAL PROPERTIES OF PRODUCT				
Route of Entry:		--SKIN CONTACT -x-SKIN ABSORPTION -x-EYE CONTACT --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:		slight skin, eye irritant	Exposure Limits of Product:	N/E
Sensitization of Product:		N/E	Toxicologically Synergistic Materials:	N/Av.
--CARCINOGENICITY --REPRODUCTIVE EFFECTS --TERATOGENICITY --MUTAGENICITY				none known
SECTION VII-PREVENTIVE MEASURES				
Personal Protective Equipment to be used:				
Gloves(specify):	Neoprene, nitrile, chemical resistant gloves		Eye(specify):	Safety glasses
Respiratory(specify):	Not Required in normal use		Clothing:	Not Required
Respiratory Protection:	If used indoors or on a continuous basis, use of NIOSH approved cartridge type respirator is recommended			
Engineering Controls:	Local and mechanical ventilation recommended			
Leak and Spill Procedure:	Dyke and absorb spill with inert material. Pick up free liquid for recycling. 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 Equipment:	Keep away from children. Handle with care. Do not inhale or ingest.			
DSL listing	All ingredients are listed.			
TDG Classification:	Non-regulated			
WHMIS Classification:	Non-controlled			
SECTION VIII-FIRST AID MEASURES				
Eye:	Flush immediately with running water for at least 15 minutes. Consult physician immediately.			
Skin:	Remove contaminated 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 DATE OF M.S.D.S.				
Additional Info/Comments:			Sources Used: Supplier's data	
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