

SECTION I-MATERIAL IDENTIFICATION AND USE

Material Name/Identifier:	Diesel Lubricant	Stock No.	953
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:	mixture (N.Ap.)	Chemical Family:	mixture (N.Ap.)
Chemical Formula:	mixture (N.Ap.)	Trade Names & Synonyms:	None
Material Use:	Diesel fuel additive	Molecular Weight:	mixture

SECTION II-HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredients	C.A.S.	Approximate Concentration	LD50 Species & Route	LC50 Species & Route
Naphthenic Oil	64742-53-6	30-60%	>2000 mg/kg rat-oral	N/Av.
Petroleum Distillate	8008-20-6	30-60%	>5000mg/kg rat oral	>5000g/m3 rat-inh.
Petroleum Naphtha	64742-94-5	10- 30%	3000mg/kg rat-oral	3800mg/m3 rat-inhal.
Naphthalene	91-20-3	1- 5%	490mg/kg rat-oral	340mg/m3 rat-inhal
1,2,4 Trimethylbenzene	95-63-6	0.1 - 1 %	N/Av.	N/Av.

SECTION III-PHYSICAL DATA FOR MATERIAL

Physical State:	liquid	Odour/Appearance:	Aromatic odor/clear light yellow
Specific Gravity:	0.85	Odor Threshold(p.p.m.):	N/Av.
Boiling Point:	82-137°C	Evaporation Rate:	N/Av.
Freezing Point:	> -40°C	Solubility in Water:	nil
% Volatile(by volume):	N/Av.	Vapor Pressure(mm)Hg:	N/Av.
Vapor Density(Air=1):	N/Av.	Coefficient of Water/Oil Distribut:	N/E
pH:	N.Ap.		

SECTION IV-FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammability Yes/No	Yes	If yes under which conditions: Heat, Open flame, Spark
Auto Ignition Temperature:	N/Av.	Means of Extinction: Dry chemical, carbon dioxide, alcohol foam
Flashpoint and Method:	62°C TCC	Hazardous Combustion Products: Carbon dioxide, carbon monoxide
		Aldehydes, ketones.
Upper Flammable limit (%vol)	N/E	Lower Flammable Limit (% by volume): N/E
Explosion Data:	Sensitivity to mechanical impact: No	Sensitivity to Static : 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? strong oxidizing materials & acids
Reactivity and under what conditions?	It may react with aluminum at high temperature.	
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide, aldehyde, ketones are produced on combustion.	

N/E: not established	N/Av.:not applicable	N/Av.: 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:	Skin and eye irritant. Can cause conjunctivitis (eyes). Prolonged and repeated contact with skin can cause defatting and drying of the skin resulting in possible skin dermatitis.			
	High concentration inhalation may cause headaches, nausea, dizziness, drowsiness and central nervous system depression.			
Effects of chronic exposure:	Not known			
Irritancy of Product:	Skin and eye irritation	Exposure limit of Product: N/E		
Sensitization of Product:	N/E	Toxicologically Synergistic Materials:	N/Av.	
--CARCINOGENICITY --REPRODUCTIVE EFFECTS --TERATOGENICITY --MUTAGENICITY				
Naphthalene has been classified by International Agency for Research on Cancer(IARC) as possible human carcinogen(Gr.2B)				
SECTION VII-PREVENTIVE MEASURES				
Personal Protective Equipment to be used:				
Gloves(specify):	Chemical resistant gloves	Eye (specify):	chemical safety glasses	
Respiratory(specify):	organic vapor mask	Clothing:	long sleeves shirt	
Respiratory Protection:	If used indoors or on a continuous basis, use of NIOSH approved cartridge type respirator is recommended			
Engineering Controls:	If used indoors or on a continuous basis, maintain exposure limit by using adequate ventilation.			
Leak and Spill Procedure:	Use non-reactive absorbent material and non sparking tools to contain spills.			
	Incase of large spill use explosion proof and grounded equipments. Prevent from entering waterways.			
Waste Disposal:	Dispose according to federal, state (Provincial) and local regulations			
Storage Requirements:	Store at cool, well ventilated area. Keep away from heat and ignition spots, open flame.			
Handling Procedures and Equipment:	Handle with care. Keep away from children. Do not inhale or ingest. Avoid contact with skin and eyes.			
WHMIS	Consumer Commodity	<u>Complies with CCCR-2001</u>		
TDG Classification	Not Controlled Product			
DSL listing	All components in this material are listed on the inventory.			
SECTION VIII-FIRST AID MEASURES				
Eye:	Flush with plenty of water for 15 minutes. Consult a physician immediately if discomfort persist.			
Skin:	Remove contaminated clothing. Wash with soap and water. See doctor if irritation or rashes persist.			
Inhalation	Move patient to fresh air and restore breathing if required. See doctor if discomfort persist.			
Ingestion:	DO NOT INDUCE VOMITING. Seek medical help 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/Av.: not available		N/Av.:not applicable		N/E: not established