

SECTION I-MATERIAL IDENTIFICATION AND USE

Material Name/Identifier:	KF MAX Injector Oil	Stock No.	505
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/Av.
Chemical Formula:	N. Ap (mixture)	Trade Names & Synonyms:	KF MAX
Material Use:	2 cycle oil	Molecular Weight:	N/Av.

SECTION II-HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredients	C.A.S.	Approximate Concentration	LD50	LC50
			Species & Route	Species & Route
Hydrotreated Light Distillate aliphatic	64742-47-8	30 - 60%	> 5 g/kg rat-oral	N/Av.
Solvent Naphtha, Medium aliphatic	64742-88-7	30 - 60 %	>5 g/kg rat-oral	N/Av.

SECTION III-PHYSICAL DATA FOR MATERIAL

Physical State:	Liquid	Odour/Appearance:	Hydrocarbon odour/Blue- Green liquid
Specific Gravity:	0.86 to 0.90	Odour Threshold(p.p.m.):	
Boiling Point:	N/Av.	Evaporation Rate:	N/E
Freezing Point:	< -42°C	Solubility in Water:	negligible
% Volatile(by volume):	N/Av.	Vapour Pressure(mm)Hg:	<0.1
Vapour Density(Air=1):	N/Av.	Coefficient of Water/Oil Distribut:	N/E
pH	N/Av.		

SECTION IV-FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammability Yes/No	Yes, Combustible	If yes under which conditions?:	At or above flash point combustible liquid.
Auto Ignition Temperature:	N/A	Means of Extinction:	Water spray, dry chemicals, alcohol foam, Carbon dioxide
Flashpoint and Method:	> 65°C	Hazardous Combustion Products:	Smoke, carbon dioxide, carbon monoxide under thermal decomposition.
Upper Flammable limit (%vol)	N/E	Lower Flammable Limit(% by volume):	N/E
Explosion Data:	Sensitivity of Mechanical 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/Av: not available

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 but will not damage eye tissue. Frequent or prolonged contact may irritate skin or cause rash. Small amount of this liquid drawn into lungs from swallowing or vomiting may cause severe health effects (eg. bronchopneumonia or pulmonary edema)		
Effects of chronic exposure:	None known		
LD 50 oral > 5000 mg/kg	LC 50 > 5.2ml/l		
Irritancy of Product:	Slight eye irritant	Exposure Limits of Product: 5mg/m3 8hr inhal. TWA (ACGIH)	
Sensitization of Product:	N/E	Toxicologically Synergistic Materials:	N/E
--CARCINOGENICITY --REPRODUCTIVE EFFECTS --TERATOGENICITY --MUTAGENICITY			None known

SECTION VII-PREVENTIVE MEASURES

Personal Protective Equipment to be used:

Gloves(specify):	Nitrile, PVA, Viton, Neoprene	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 respirator is recommended		
Engineering Controls:	Local or mechanical ventilation recommended		
Leak and Spill Procedure:	Eliminate all ignition sources, contain spills with absorbent materials. Prevent from entering sewage system.		
Waste Disposal:	Dispose at local hazardous waste disposal services. Follow local or provincial regulation.		
Storage Requirements:	Store in cool place. Keep lid on when not in use. Keep away from open flame or spark.		
Handling Procedures and	Handle with care. Keep away from children.		
Equipment:			
TDG Classification:	Not Regulated		
WHMIS Classification:	Non controlled.		
Hazard Rating:	Health 1, Flammability 1, Reactivity 0		

SECTION VIII-FIRST AID MEASURES

Eye:	Flush with plenty of water for 15 minutes. Consult a physician.
Skin:	Wash with soap and water. If irritation persists consult a physician.
Inhalation:	Move patient to fresh air and restore breathing if required. Consult a physician.
Ingestion:	DO NOT INDUCE VOMITING. Get medical attention 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:	January 2, 2012.	Kleen-Flo Tumbler Industries Limited

THIS SHEET SUPERSEDES ANY OTHER M.S.D.S. PREVIOUSLY PREPARED

N/Av.: not available

N/Ap.: not applicable

N/E: not established