

**SECTION I-MATERIAL IDENTIFICATION AND USE**

Material Name/Identifier:	Power Steering Fluid	Stock No.	583/ 585 / 586/587
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:	Power Steering Fluid
Material Use:	Power steering fluid	Molecular Weight:	N.Ap (Mixture)

**SECTION II-HAZARDOUS INGREDIENTS OF MATERIAL**

Hazardous Ingredients	C.A.S.	Approximate Concentration	LD50 Species & Route	LC50 Species & Route
Hydrotreated paraffinic Oil	64742-58-1	60 - 100%	>2000 mg/kg rat-oral	N/Av.
Dibutylhydrogen phosphite	1809-19-4	0.1 - 1.0	N/Av.	N/Av.
Oleic Acid	112-80-1	0.1 - 1.0	N/Av.	N/Av.

**SECTION III-PHYSICAL DATA FOR MATERIAL**

Physical State:	Liquid Oil	Odour/Appearance:	Slight odour, light amber oil
Specific Gravity:	0.86	Odour Threshold(p.p.m.):	N/E
Boiling Point:	>129°C	Evaporation Rate:	N/E
Freezing Point:	<-30 oC	Solubility in Water:	None
% Volatile(by volume):	N/E	Vapour Pressure(mm)Hg:	N/E
Vapour Density(Air=1):	N/E	Coefficient of Water/Oil Distribut:	N/Av.
pH	N/Av.		

**SECTION IV-FIRE AND EXPLOSION HAZARD OF MATERIAL**

Flammability Yes/No	No	If yes under which conditions:	N.Ap.
Auto Ignition Temperature:	N/Av.	Means of Extinction:	carbon dioxide, chemicals, foam
Flashpoint and Method:	165°C	Hazardous Combustion Products:	Carbon dioxide, carbon monoxide Sulfur dioxide, aldehydes, ketones, unidentified organic vapour.
Upper Flammable limit (%vol)	N/E	Lower Flammable Limit(% by volume):	N/E
Explosion Data:	Sensitivity to Mech. Impact: N. Ap	Sensitivity to Static Discharge:	N.Ap.

**SECTION V-REACTIVITY DATA**

Chemical Stability Yes/No:	Yes	If no under which conditions?:	N/Av.
Incompatibility to Other Substances Yes/No:	Yes	If so which ones?	Strong oxidizing agent
Reactivity and under what conditions?	Fire, open flames, hot surfaces.		
Hazardous Decomposition Products:	Carbon dioxide, Carbon monoxide, Aldehydes, Ketones, Unidentified organic vapour. Hydrogen sulfide, alkyl mercaptans and sulfides may be released.		

N/E: not established N.Ap: not applicable N/Av.: not available

**SECTION VI-TOXICOLOGICAL PROPERTIES OF PRODUCT**

<b>Route of Entry: ALL Routes</b>	--SKIN CONTACT --SKIN ABSORPTION --EYE CONTACT --INHALATION --INGESTION		
<b>Effects of Acute Exposure:</b>	May cause skin, eye irritation, dizziness, headache, vomiting, nausea, cough, pulmonary irritation		
<b>Effects of Chronic Exposure:</b>	Prolong, repeated eye and skin contact can cause severe eye irritation, dermatitis.		
<b>LD 50 of Product:</b>	N/E	<b>LC 50 of Product:</b>	N/E
<b>Irritancy of Product:</b>	skin and eye irritant	<b>Exposure Limits of Product:</b>	N/E
<b>Sensitization of Product:</b>	N/E	<b>Toxicologically Synergistic Materials:</b>	N/E
<b>--CARCINOGENICITY --REPRODUCTIVE EFFECTS --TERATOGENICITY --MUTAGENICITY</b>			None Known

**SECTION VII-PREVENTIVE MEASURES**

**Personal Protective Equipment to be used:**

<b>Gloves(specify):</b>	Nitrile, PVA or chemical resistant gloves	<b>Eye(specify):</b>	Safety Glasses
<b>Respiratory(specify):</b>	Not required during normal use	<b>Clothing:</b>	Not required
<b>Respiratory Protection:</b>	If used indoors or on a continuous basis, use of a NIOSH approved cartridge type respirator is recommended.		
<b>Engineering Controls:</b>	Local or mechanical ventilation		
<b>Leak and Spill Procedure:</b>	Contain spillage with inert absorbant, sand, vermiculite. Prevent entering from waterways.		
<b>Waste Disposal:</b>	Dispose according to local, provincial, federal government regulation		
<b>Storage Requirements:</b>	Store at temperature below 37.8°C. Keep container closed when not in use.		
<b>Handling Procedures and Equipment:</b>	Keep away from children. Handle with care. Do not inhale or ingest.		
<b>TDG Classification:</b>	Not regulated		
<b>WHMIS Classification:</b>	Non-controlled		

**SECTION VIII-FIRST AID MEASURES**

<b>Eye:</b>	Flush immediately with running water for at least 15 minutes. Consult physician immediately.
<b>Skin:</b>	Remove contaminated clothing. Rinse with plenty of soapy. See doctor if irritation persist.
<b>Inhalation / Ingestion:</b>	Remove to fresh air. Restore breathing if required. See doctor if discomfort persist.
<b>Ingestion:</b>	DO NOT INDUCE VOMITING. If person conscious, give a glasses of water. See doctor immediately.

**SECTION IX-PREPARATION DATE OF M.S.D.S.**

<b>Additional Info/Comments:</b>	Sources Used: Supplier's data
<b>Phone Number:</b>	(905) 793-4311
<b>Date Prepared:</b>	Janauary 2, 2012.
	Prepared By: Quality Control Laboratory 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