

SECTION I-MATERIAL IDENTIFICATION AND USE

Material Name/Identifier:	Power Steering fluid for Honda and Acura	Stock No.	580
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:	Lubricating 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 hydrocarbons	64742-58-1	30-60	>2000 mg/kg rat-oral	N/Av.
Petroleum oil Paraffinic	8042-47-5	15 -40	N/Av.	N/Av.
Hydrotreated praffinic oil	64742-54-7	10-30	N/Av.	N/Av.
Dibutylhydrogen phosphite	1809-19-4	0.1 - 1.0	N/Av.	N/Av.

SECTION III-PHYSICAL DATA FOR MATERIAL

Physical State:	Liquid Oil	Odour/Appearance:	Faint odour, light amber oil
Specific Gravity:	0.85	Odour Threshold(p.p.m.):	N/E
Boiling Point:	129 ° C	Evaporation Rate:	N/E
Freezing Point:	<-40 ° C	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:	>124° C	Hazardous Combustion Products:	Carbon dioxide, carbon monoxid 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 agents	
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

Route of Entry: ALL Routes	--SKIN CONTACT --SKIN ABSORPTION --EYE CONTACT --INHALATION --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:	skin and eye irritant	Exposure Limits of Product:	N/E
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 or chemical resistant gloves	Eye(specify):	Safety Glasses
Respiratory(specify):	Not required during 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 or mechanical ventilation		
Leak and Spill Procedure:	Contain spillage with non-combustible absorbant, sand, vermiculite. Prevent entering from waterways.		
Waste Disposal:	Dispose according to local, provincial, federal government regulation		
Storage Requirements:	Store at temperature below 37.8°C. Keep container closed when not in use.		
Handling Procedures and Equipment:	Keep away from reach of children. Handle with care. Do not inhale or ingest.		
TDG Classification:	Not 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 water. Consult doctor if irritation, rashes persist.
Inhalation / Ingestion:	Remove to fresh air.Restore breathing if required. See doctor if discomfort persist.
Ingestion:	DO NOT INDUCE VOMITING. If person is conscious, give a glass 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:	January 2, 2015	Kleen-Flo Tumbler Industries Limited

DES ANY OTHER M.S.D.S. PREVIOUSLY PREPARED

N/Av: not available

N/Ap.: not applicable

N/E: not established