

SECTION I-MATERIAL IDENTIFICATION AND USE

Material Name/Identifier:	Power Steering Fluid & Sealer	Stock No.	684/685 / 686
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:	None
Material Use:	Sealer/Conditioner	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 heavy paraffinic	64742-54-7	1 - 5 %	> 2000mg/kg rat-oral	N/Av.
Hydrotreated Paraffinic base oil	64742-58-1	60-100%	> 2000mg/kg rat-oral > 4480 mg/kg rabbit-dermal.	N/Av.

This material is not known to contain any chemicals listed as a carcinogen or suspected carcinogen by U.S. OSHA, IRAC or the U.S. National Toxicology Program (NTP) at a concentration greater than 0.1%.

SECTION III-PHYSICAL DATA FOR MATERIAL

Physical State:	Oil	Odour/Appearance:	Slight odour, Clear red colour oil
Specific Gravity:	0.85	Odour Threshold(p.p.m.):	N/E
Boiling Point:	246°C	Evaporation Rate (B.A.=1):	N/E
Freezing Point:	N/E	Solubility in Water:	None
% Volatile(by volume):	N/E	Vapour Pressure (mm) Hg:	<0.1
Vapour 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:	>232 °C	Means of Extinction:	Foam, dry chemicals, carbon dioxide
Flashpoint and Method:	165°C COC	Hazardous Combustion Prod.:	Aldehyde, Oxide of carbon, smoke hydrogen sulfide, , alkylmercaptans, unidentified organic compounds.
Upper Flammable limit (%vol)	N/Av.	Lower Flammable Limit(% by vol):	N/Av.
Explosion Data:	N/Av.	Sensitivity to Static Discharge:	N/Av.

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?	Hot surfaces, open flame, fire		
Hazardous Decomposition Products:	Oxides or Carbon, Aldehydes, hydrogen sulfide, alkylmercaptans,		

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 & skin irritation, dizziness, headache, nausea, vomiting, cough & pulmonary irritation.		
Effects of Chronic Exposure:	Prolong repeated inhalation of oil mist may cause oil pneumonia, lung tissue inflammation and fibrous tissue format		
	Prolong repeated eye contact may cause inflammation of the membrane lining the eyelids, covering the eyeball.		
	prolong repeated skin contact may cause drying, cracking, redness, itching and dermatitis.		
LD 50 of Product:	N/E	LC 50 of Product:	N/E
Irritancy of Product:	Slight skin & eye irritant	Exposure Limits of Prod:	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, Neoprene, Chemical resistant	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:	Use inert absorbents, prevent from entering waterways.		
Waste Disposal:	According to local and provincial government regulation.		
Storage Requirements:	Store at temperature below 40°C. Keep container closed when not on use.		
Handling Procedures and Equipment:	Handle with care. Keep away from children. Do not inhale or ingest.		
DSL Listing	All components are listed in the inventory.		
TDG Classification:	Not Regulated		
WHMIS Classification:	Non-controlled		

SECTION VIII-FIRST AID MEASURES

Eye:	Wash with water for at least 15 minutes. Seek medical help immediately if discomfort persists.
Skin:	Remove contaminated clothing. Wash immediately with soap & water. See doctor if irritation persist.
Inhalation:	Remove to fresh air. Restore breathing if required. See doctor if discomfort persist.
Ingestion:	DO NOT INDUCE VOMITING. Get medical help immediately.

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

Additional Info/Comments:	Source used: Supplier's data
Phone Number:	(905) 793-4311
Date Prepared:	Prepared By: Quality Control Laboratory Kleen-Flo Tumbler Industries Limited

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