

**SECTION I-MATERIAL IDENTIFICATION AND USE**

Material Name/Identifier:	Transmission Flush	Stock No.	689-1
Manufacturer's Name:	Kleen-Flo Tumbler Industries Ltd	Street Address:	75 Advance Blvd.
City:	Brampton	Province:	Ontario
Postal Code:	L6T 4N1	Emergency Phone #:	(905) 793-4311
Chemical Name:	N/A (Blended product)	Chemical Family:	CANUTEC:- 613-996-6666 (24HR)
Chemical Formula:	N/A (Blended product)	Trade Names & Synonyms:	None
Material Use:	Cleaner	Molecular Weight:	N/A (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%	> 2000mg/kg-rat	N/Av.
Orthodichlorobenzene	95-50-1	1-5%	500 mg/kg rat-oral	N/Av.

**SECTION III-PHYSICAL DATA FOR MATERIAL**

Physical State:	liquid	Odour/Appearance:	faint sweet odour/ red oil
Specific Gravity:	0.85 @ 22°C	Odour Threshold(p.p.m.):	N/E
Boiling Point:	> 129°C	Evaporation Rate:	N/E
Freezing Point:	N/E	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/E
pH	N/Av.		

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

Flammability Yes/No	No	If yes under which conditions: Open flame, spark, excessive heat
Auto Ignition Temperature:	N/E	Means of Extinguishing: Dry chemical, carbon dioxide,foam, water
Flashpoint and Method:	> 160°C Tag CC	Hazardous Combustion Products: Carbon dioxide, carbon monoxide
		halogenated compound
Upper Flammable limit (%vol)	N/E	Lower Flammable Limit (% by volume): N/E
Explosion Data:	Sensitivity to Mechanical Impact: N/E	Sensitivity to Static Discharge: N/E

**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 agent
Reactivity and under what conditions?	Open flames and sparks, Excessive heat	
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide, Halogenated compounds,	

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



**SECTION I-MATERIAL IDENTIFICATION AND USE**

Material Name/Identifier:	Transmission Sealer& Conditioner	Stock No.	689-2
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/A (mixture)	Chemical Family:	Petroleum Oil
Chemical Formula:	N/A (mixture)	Trade Names & Synonyms:	None
Material Use:	Sealer conditioner	Molecular Weight:	N/Av. (mixture)

**SECTION II-HAZARDOUS INGREDIENTS OF MATERIAL**

Hazardous Ingredients	C.A.S.	Approximate Concentration	LD50 Species & Route	LC50 Species & Route
Hydrotreated base oil	64742-54-7	60-100%	>5000mg/kg rat-oral	5.2mg/L 4 hr Rat. Inhal.
Hydrotreated Paraffinic oil	64742-47-8	10-30%	>5000mg/kg rat-oral	5.2mg/L 4 hr Rat. Inhal.
This material is not known to contain any chemical listed as a carcinogen or suspected carcinogen by U.S. OSHS, IRAC, National Toxicology Program (NTP) at a concentration greater than 0.1%.				

**SECTION III-PHYSICAL DATA FOR MATERIAL**

Physical State:	liquid oil	Odour/Appearance:	Light hydrocarbon odour/ deep red colour
Specific Gravity:	0.86	Odour Threshold(p.p.m.):	N/E
Boiling Point:	> 150°C	Evaporation Rate:	N/E
Freezing Point:	N/E	Solubility in Water:	None
% Volatile(by volume):	N/E	Vapour Pressure(mm)Hg:	N/E
Vapour Density(Air=1):	N/A	Coefficient of Water/Oil Distribut:	N/E
pH	N/A		

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

Flammability Yes/No	No	If yes under which conditions?:	N.Ap.
Auto Ignition Temperature:	N/E	Means of Extinction:	Carbon dioxide, Foam, Dry Chemicals
Flashpoint and Method:	179°C PMCC	Hazardous Combustion Products:	Hydrocarbon fumes and Smoke, carbon dioxide, carbon monoxide
Upper Flammable limit (%vol)	N/E	Lower Flammable Limit (% by vol):	N/E
Explosion Data:	Sensitivity to mechanical impact: N/E	Sensitivity to Static Discharge:	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 agents	
Reactivity and under what conditions?	Hot surfaces, open flames, fire		
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide, Hydrocarbon, fumes, smoke.		

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:	Nausea, headache, skin and eye irritation, dermatitis, respiration irritation.		
Effects of Chronic Exposure:	None known		
LD 50 of Product:	N/E	LC 50 of Product:	N/E
Irritancy of Product:	slight Eye, skin 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):	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 ventilation		
Leak and Spill Procedure:	Use inert absorbent material to absorb. Collect and dispose according local government regulation.		
Waste Disposal:	According to local and provincial government regulation.		
Storage Requirements:	Store at room temperature. Keep container closed when not in use.		
Handling Procedures and Equipment:	Keep away from open flame, excessive heat, source of ignition. Handle with care. Keep away from children. Do not inhale or ingest.		
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 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	<u>DO NOT INDUCE VOMITING.</u> 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 Janaury 2, 2012. Kleen-Flo Tumbler Industries Limited

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