

SECTION I-MATERIAL IDENTIFICATION AND USE

Material Name/Identifier:	Direct Injection Soot Remover & Engine Cleaner	Stock No.	102
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:	CANUTECH:- 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 parafinic Oil	64742-54-7	60-100 %	> 2000mg/kg-rat	N/Av.
1,2 dichlorobenzene	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/ light yellow 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 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.		
	Repeated overexposure of may cause liver and kidney damage.		
LD 50 of Product:	>2000 mg/kg	LC 50 of Product:	N/E
Irritancy of Product:	Eye irritant	Exposure Limits of Product: 5mg/m3 TLV: TWA oil mist	
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 a NIOSH approved cartridge type respirator is recommended.	
Engineering Controls:	Local ventilation	
Leak and Spill Procedure:	Absorb with inert absorbent and dispose.	
Waste Disposal:	According to local government regulation.	
Storage Requirements:	Keep container closed when not in use. Keep at room temperature.	
Handling Procedures and	Keep out of reach of children. Handle with care.	
Equipment:		
DSL Listing	All components are listed in the inventory.	
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. See doctor if irritation persist.
Inhalation	Remove to fresh air. Restore breathing if required. See doctor if discomfort persist.
Ingestion	DO NOT INDUCE VOMITING. If person conscious, give a glasses of water. See doctor immediately.

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

Additional Info/Comments:		Source used: Supplier's data
Phone Number:	(905) 793-4311	Prepared By: Quality Control Laboratory
Date Prepared:	May 10th, 2016	Kleen-Flo Tumbler Industries Limited

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

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