

**SECTION I-MATERIAL IDENTIFICATION AND USE**

Material Name/Identifier:	Carburetor and Metal Parts Cleaner	Stock No.	651/652/653
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:	N/A (mixture)
Chemical Formula:	N. Ap (mixture)	Trade Names & Synonyms:	None
Material Use:	Cleaner	Molecular Weight:	N. Ap (mixture)

**SECTION II-HAZARDOUS INGREDIENTS OF MATERIAL**

Hazardous Ingredients	C.A.S.	Approximate Concentration	LD50 Species & Route	LC50 Species & Route
Methylene chloride	75-09-2	15-40%	1600 mg/kg rat-oral	14400 ppm (7hr) mouse
Orthodichlorobenzene	95-50-1	5-10%	500 mg/kg rat-oral	N/Av.
Cresylic acid	1319-77-3	15-40%	1454 mg/kg rat-oral	N/Av.
Xylene	1330-20-7	7-13%	4300 mg/kg rat-oral	6350 ppm (4hr) rat-inhl
Methanol	67-56-1	3-7%	6.2 g/kg rat-oral	64000 ppm (4hr) rat-inhl
2-Butyoxoethanol	111-76-2	5-10%	1746 mg/kg rat-oral	400 ppm (7hr) rat-inh.
Potassium oleate soap	143-18-0	1 -5%	N/Av.	N/Av.
caustic potash (45%)	1310-58-3	1-5%	365 mg/kg rat-oral	N/Av.

**SECTION III-PHYSICAL DATA FOR MATERIAL**

Physical State:	2-phases-liquid	Odour/Appearance:	Strong characteristic odour, pale yellow
Specific Gravity:	1.08	Odour Threshold(p.p.m.):	N/E
Boiling Point:	>39.5°C	Evaporation Rate:	N/E
Freezing Point:	N/E	Solubility in Water:	Negligible
% 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	9.3-11		

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

Flammability	Combustible liquid	If yes under which conditions?:	Combustible liquid above 43°C
Auto Ignition Temperature:	N/E	Means of Extinction:	Dry chemical, carbon dioxide foam, water spray
Flashpoint and Method:	54 °c TCC	Hazardous Combustion Products:	Phosgene, chlorine, hydrogen chloride
			Hydrocarbon fumes, Oxide of carbon, Smoke.
Upper Flammable limit (%vol)	N/E	Lower Flammable Limit (% by volume):	e) 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 Oxidizers
Reactivity and under what conditions?	Open flame and welding arcs can cause small amounts of phosgene and chlorine		
Hazardous Decomposition Products:	Chlorine or phosgene at high temperature, Oxide of carbon, Hydrocarbon fumes, smoke		
N/E: not established	N.Ap.: Not applicable		N/Av.: not available

**SECTION VI-TOXICOLOGICAL PROPERTIES OF PRODUCT**

<b>Route of Entry:</b> ALL Routes	--SKIN CONTACT --SKIN ABSORPTION --EYE CONTACT --INHALATION --INGESTION		
<b>Effects of Acute Exposure:</b>	May cause sever skin irritation, dermatitis. May cause sever eye irritation, tearing, burns. Inhalation may cause dizziness, nausea, headache. Ingestion may cause toxic effect, aspiration may cause lungs, pulmonary injuries.		
<b>Effects of Chronic Exposure:</b>	Ingestion may cause liver and kidney damage.		
<b>LD 50 of Product:</b>	N/E	<b>LC 50 of Product:</b>	N/E
<b>Irritancy of Product:</b>	May cause severe eye irritation and skin rash		
<b>Exposure limits of products:</b>	Methylene chloride: 50ppm		
<b>Sensitization of Product:</b>	N/E	<b>Toxicologically Synergistic Materials:</b>	N/E
<b>--CARCINOGENICITY --REPRODUCTIVE EFFECTS --TERATOGENICITY --MUTAGENICITY</b>		None known	

Methylene chloride is listed as carcinogenic by IARC

**SECTION VII-PREVENTIVE MEASURES**

<b>Personal Protective Equipment to be used:</b>		
<b>Gloves(specify):</b>	Chemical resistant gloves	<b>Eye(specify):</b> Safety goggles
<b>Respiratory(specify):</b>	NIOSH - Organic vapor mask	<b>Clothing:</b> Long sleeves, Apron
<b>Respiratory Protection:</b>	If used indoors or on a continuous basis, use of NIOSH approved cartridge type respirator is recommended	
<b>Engineering Controls:</b>	Local and mechanical exhaust recommended.	
<b>Leak and Spill Procedure:</b>	Use inert absorbent. If material leaks through concrete floor with excessive phenolic pungent odour and stains, use 2 cups of Javex Bleach in a pail of lukewarm water. Soak area for 10-20 mins. Hose off with water. Repeat treatment if required.	
<b>Waste Disposal:</b>	Use approved waste disposal service. Dispose according to local or provincial regulation.	
<b>Storage Requirements:</b>	Keep container closed. Keep away from heat and open flame, spark.	
<b>Handling Procedures and</b>	Always use personal protective equipment when handling to prevent direct contact.	
<b>Equipment:</b>	Avoid prolong skin contact and inhalation.	
<b>TDG Classification:</b>	# 651 Limited Quantity, # 652, # 653 Toxic Liquid, Organic.n.o.s (Creysilic Acid Mixture) UN 2810	
	Class 6.1 Pkg. Gr. III	
<b>WHMIS Classification:</b>	Class D1A, D2B, B3	

**SECTION VIII-FIRST AID MEASURES**

<b>Eye:</b>	Flush with water for at least 15 minutes. Get medical help immediately.
<b>Skin:</b>	Remove contaminated clothes. Wash with soap and water. If rash persists, seek medical help.
<b>Inhalation:</b>	Remove to fresh air. If breathing is difficult, give oxygen. Get medical help.
<b>Ingestion:</b>	DO NOT INDUCE VOMITING. Get medical help immediately.

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

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

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