

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.
2-Methylphenol	95-48-7	7-13%	121 mg/kg rat-oral	>1220 mg/M3 1 Hr Rat Inhalation
3-Metylphenol	108-39-4	1 -5%	N/Av.	N/Av.
4-Methylphenol	106-44-5	1 -5%	N/Av.	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-Butoxyethanol	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

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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 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.			
Effects of Chronic Exposure:	Ingestion may cause liver and kidney damage.			
LD 50 of Product:	N/E	LC 50 of Product:	N/E	
Irritancy of Product:	May cause severe eye irritation and skin rash			
Exposure limits of products:	Methylene chloride: 50ppm			
Sensitization of Product:	N/E	Toxicologically Synergistic Materials:	N/E	
--CARCINOGENICITY --REPRODUCTIVE EFFECTS --TERATOGENICITY --MUTAGENICITY			None known	
Mathylene chloride is listed as carcinogenic by IARC				
SECTION VII-PREVENTIVE MEASURES				
Personal Protective Equipment to be used:				
Gloves(specify):	Chemical resistant gloves	Eye(specify):	Safety goggles	
Respiratory(specify):	NIOSH - Organic vapor mask	Clothing:	Long sleeves, Apron	
Respiratory Protection:	If used indoors or on a continuous basis, use of NIOSH approved cartridge type respirator is recommended			
Engineering Controls:	Local and mechanical exhaust recommended.			
Leak and Spill Procedure:	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.			
Waste Disposal:	Use approved waste disposal service. Dispose according to local or provincial regulation.			
Storage Requirements:	Keep container closed. Keep away from heat and open flame, spark.			
Handling Procedures and	Always use personal protective equipment when handling to prevent direct contact.			
Equipment:	Avoid prolong skin contact and inhalation.			
TDG Classification:	# 651 Limited Quantity, # 652, # 653 Toxic Liquid, Organic.n.o.s (Creysilic Acid Mixture) UN 2810			
	Class 6.1 Pkg. Gr. III			
WHMIS Classification:	Class D1A, D2B, B3			
SECTION VIII-FIRST AID MEASURES				
Eye:	Flush with water for at least 15 minutes. Get medical help immediately.			
Skin:	Remove contaminated clothes. Wash with soap and water. If rash persists, seek medical help.			
Inhalation:	Remove to fresh air. If breathing is difficult, give oxygen. Get medical help.			
Ingestion:	DO NOT INDUCE VOMITING. Get medical help 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		
THIS SHEET SUPERSEDES ANY OTHER M.S.D.S. PREVIOUSLY PREPARED				
N/E: not established		N.Ap.: Not applicable		N/Av.: not available