

SECTION I-MATERIAL IDENTIFICATION AND USE

Material Name/Identifier:	Combustion Chamber Kleen	Stock No.	822
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.Ap (Blended Product)	Chemical Family:	N/Ap (Mixture)
Chemical Formula:	N.Ap (Blended Product)	Trade Names & Synonyms:	None
Material Use:	Aerosolized auto 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
Aromatic naphtha	64742-95-6	30-60%	8 g/kg rat-oral	10.2 g/m3 (4 hr)rat-inh.
Methyl isobutyl carbitol	108-11-2	3-7%	2.59 g/kg rat-oral	2000 ppm(4hr) rat-inh.
Oleic acid	112-80-1	5-10%	74 g/kg rat-oral	N/A
Amonia solution	1336-21-6	1-5%	350 mg/kg rat-oral	2115 ppm (4hr) mouse-inh.
Oleic acid	112-80-1	5 -10	N/A	N/A
2-butoxy ethanol	111-76-2	3-7%	470 mg/kg rat-oral	2.21 mg/L (4hr) rat-inhl.
Petroleum liquid gases	68476-86-8	5-10%	N/A	N/A

SECTION III-PHYSICAL DATA FOR MATERIAL

Physical State:	liquid (aerosol)	Odour/Appearance:	hydrocarbon, ammonia odour/ clear, amber liquid
Specific Gravity:	0.89-0.915	Odour Threshold(p.p.m.):	N/A
Boiling Point:	N/A	Evaporation Rate (B.A.=1):	N/A
Freezing Point:	N/A	Solubility in Water:	partially
% Volatile(by volume):	62%	Vapour Pressure (mm) Hg:	N/A
Vapour Density(Air=1):	> 1	Coefficient of Water/Oil Distribut:	N/A
pH	9-10.5 (5% vol)		

SECTION IV-FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammability Yes/No	Yes	If yes under which conditions?:	Combustible, may explode if heated
Auto Ignition Temperature:	N/A	Means of Extinction:	Carbon dioxide, water fog, dry chemicals, alcohol foam
Flashpoint and Method:	44 oC TCC	Hazardous Combustion Products:	oxides of carbon, sulfur,
Flame Extension:	15-45 cm		nitrogen, phosphorous, other organic compounds
Upper Flammable limit, %vol.	.35	Lower Flammable Limit (% by volume):), .09
Explosion Data:	Sensitivity to Mechanical Impact: No.	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?	Oxidizers, Acids & Reducers.
Reactivity and under what conditions?	Combustible, avoid excessive heat, sparks and open flame		
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide and oxides of sulfur, nitrogen and black fumes.		

N/E: not established

N/Ap.: not applicable

N/A: 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:	Prolonged skin contact may cause skin irritation. Eye tearing, redness or even blurred vision.
	Prolonged inhalation may cause headache, nausea or dizziness.
Effects of Chronic Exposure:	Chronic exposure to 2-Butoxyethanol May cause liver, kidney or blood damage.

	2-butoxyethanol is an experimental reproductive toxin.		
LD 50 of Product:	N/A	LC 50 of Product:	N/A
Irritancy of Product:	Eye & Skin Irritant	Exposure Limit limits :	Oil mist, 5 mg/m3, TLV
Sensitization of Product:	N/E	Toxicologically Synergistic Materials:	N/A
--CARCINOGENICITY --REPRODUCTIVE EFFECTS --TERATOGENICITY --MUTAGENICITY			None Known
SECTION VII-PREVENTIVE MEASURES			
Personal Protective Equipment to be used:			
Gloves(specify):	Neoprene, Nitrile	Eye(specify):	Safety Glasses
Respiratory (specify):	Solvent Mist Mask	Clothing:	Not required
Respiratory Protection:	If used indoors or on a continuous basis, use of cartridge type respirator is recommended		
Engineering Controls:	Local exhaust ventilation is recommended.		
Leak and Spill Procedure:	Contain & collect. Prevent large spills from entering sewers or waterways. Small spills may be absorbed with non-reactive absorbent.		
Waste Disposal:	Standard methods as approved in your region or by incineration.		
Storage Requirements:	Do not store above 40°C. Keep from freezing		
Handling Procedures and Equipment:	Use adequate ventilation. Avoid skin and prolonged inhalation contact. Contents under pressure. Keep away from heat, spark, flame and other sources of ignition		
NFPA30B/CNFC 3.3.5	Level 2		
TDG Classification:	Consumer Commodity		
WHMIS Classification:	Consumer Commodity	Complies with CCCR 2001	
SECTION VIII-FIRST AID MEASURES			
Eye:	Flush immediately with water for at least 15 minutes. Seek medical help if discomfort persists.		
Skin:	Wash with soap & water. Remove contaminated clothes. If rash persists seek medical help.		
Inhalation:	Remove to fresh air.		
Ingestion:	Seek immediate medical attention. DO NOT INDUCE VOMITING. Rinse mouth with water.		
SECTION IX-PREPARATION DATE OF M.S.D.S.			
Additional Info/Comments:		Sources Used: Handbook of Poisoning By: R.H.Dreisbach	
Phone Number:	(905) 793-4311	Prepared By: Quality Control Laboratory	
Date:	January 18, 2006.	Kleen-Flo Tumbler Industries Limited	
THIS SHEET SUPERSEDES ANY OTHER M.S.D.S. PREVIOUSLY PREPARED			
N/A: not available		N/E: not established	