

SECTION I-MATERIAL IDENTIFICATION AND USE

Material Name/Identifier:	Glass Kleen	Stock No.	885
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(mixture)	Chemical Family:	N.Ap(mixture)
Chemical Formula:	N.Ap(mixture)	Trade Names & Synonyms:	Glass Kleen
Material Use:	Aerosol spray 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
2-Butoxyethanol	111-76-2	1-5%	1480 mg/kg rat-oral	500 ppm (4 hr) rat-inh.
Isopropanol	67-63-0	5-10%	5640 mg/kg rat-oral	16000 ppm(8hr) rat-inh.
Propellant (Isobutane)	75-28-5	3-7%	N/A	520,000 ppm (2hr) mouse-inh.

SECTION III-PHYSICAL DATA FOR MATERIAL

Physical State:	Liquid	Odour/Appearance:	Faint odour/ clear
Specific Gravity:	1.0	Odour Threshold(p.p.m.):	N/E
Boiling Point:	82,5-170 oC	Evaporation Rate:	< 1
Freezing Point:	N/A	Solubility in Water:	Soluble
% Volatile(by volume):	100%	Vapour Pressure(mm)Hg:	30-40 psig
Vapour Density(Air=1):	2-4.1	Coefficient of Water/Oil Distribution	N/A
pH	10.4 - 10.8		

SECTION IV-FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammability Yes/No	No	If yes under which conditions?:	
Auto Ignition Temperature	N/A	Means of Extinction:	Carbon dioxide, dry chemicals, foam, water
Flashpoint and Method:	None	Hazardous Combustion Products:	Hydrocarbon fumes
Flame Extention	None		and smoke
Upper Flammable limit (%vol)	12	Lower Flammable Limit(% by volume):	1.1
Explosion Data:	Sensitivity to Mechanical Impact: N.Ap.	Sensitivity to Static Discharge:	N.Ap.

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?	Inorganic acid conc., Peroxides
Reactivity and under what conditions?	Hot surfaces, open flame, fire.		
Hazardous Decomposition Products:	In fire: Carbon monoxide, carbon dioxide.		

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:	--SKIN CONTACT --SKIN ABSORPTION --EYE CONTACT -x-INHALATION -x-INGESTION		
Effects of Acute Exposure:	Nausea, headache, vomiting, dizziness		
Effects of Chronic Exposure:	None known		
LD 50 of Product:	N/E	LC 50 of Product:	N/E
Irritancy of Product:	Mild eye irritantbut no permanent damage	Exposure Limits of Product:	N/E
Sensitization of Product:	N/A	Toxicologically Synergistic Materials:	N/A
--CARCINOGENICITY --REPRODUCTIVE EFFECTS --TERATOGENICITY --MUTAGENICITY	None known		

SECTION VII-PREVENTIVE MEASURES**Personal Protective Equipment to be used:**

Gloves(specify):	Not required	Eye(specify):	Eye goggles
Respiratory(specify):	Not required	Clothing:	Not required
Respiratory Protection:	If used indoors or on a continuous basis, use of cartridge type respirator is recommended		
Engineering Controls:	Local and mechanical ventilation		
Leak and Spill Procedure:	Flush away with plenty of water		
Waste Disposal:	Standard methods as approved in your area		
	Aerosol cans to be disposed of at local recycling depots		
Storage Requirements:	Keep below 48.9°C. Keep container closed when not in use.		
Handling Procedures and Equipment:	Handle with care. Do not inhale or ingest.		
DSL Lisintg	All ingredients are listed in the inventory.		
NPFA 30B/CFNC 3.3.5	Level 1		
TDG Classification:	Consumer commodity		
WHMIS Classification:	Consumer commodity	Complies with CCCR 2001	

SECTION VIII-FIRST AID MEASURES

Eye:	Wash with water for at least 15 minutes. Consult a physician.
Skin:	Remove contaminated clothing. Wash thoroughly with soap and water. Apply good hand cream.
Inhalation / Ingestion:	Give artificial respiration. Give activated charcoal; gastric lavage is useful even when delayed.
	Seek medical assistance.

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:	Janaury 17, 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