

SECTION I-MATERIAL IDENTIFICATION AND USE

Material Name/Identifier:	Glass Kleen	Stock No.	885/886
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.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 %	2616 mg/kg rat-oral	450 ppm (4 hr) rat-inh.
Isopropanol	67-63-0	3-7 %	>4720 mg/kg rat-oral	12000 ppm(8hr) rat-inh.
Isobutane	75-28-5	1-5 %	N/Av.	142500 ppm (2hr) mouse-inh.
Propane	74-98-6	0.1-1%	>5000mg/kg dermal-rabbit	N/Av.

SECTION III-PHYSICAL DATA FOR MATERIAL

Physical State:	Liquid	Odour/Appearance:	Fragrant odour/ clear liquid
Specific Gravity:	1.0	Odour Threshold(p.p.m.):	N/E
Boiling Point:	82.5-170 °C	Evaporation Rate:	< 1
Freezing Point:	0°C	Solubility in Water:	Soluble
% Volatile(by volume):	100%	Vapour Pressure:	30-40 psig (Aerosol)
Vapour Density(Air=1):	>1	Coefficient of Water/Oil Distribut	N/Av.
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	245- 399 °C	Means of Extinction:	Carbon dioxide, dry chemicals, foam, water
Flashpoint and Method:	14 °c (Lowest known IPA)	Hazardous Combustion Products:	Hydrocarbon fumes and smoke
Flame Extention	None		
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?	Strong oxidizing agents
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/Av.: not available

SECTION VI-TOXICOLOGICAL PROPERTIES OF PRODUCT

Route of Entry:	--SKIN CONTACT --SKIN ABSORPTION --EYE CONTACT -x-INHALATION -x-INGESTION		
Effects of Acute Exposure:	May cause skin, eye irritation, Nausea, headache, vomiting, dizziness, weakness.		
Effects of Chronic Exposure:	None known		
LD 50 of Product:	N/E	LC 50 of Product:	N/E
Irritancy of Product:	Skin, eye irritant	Exposure Limits of Product:	N/E
Sensitization of Product:	N/Av.	Toxicologically Synergistic Materials:	N/Av.
--CARCINOGENICITY --REPRODUCTIVE EFFECTS --TERATOGENICITY --MUTAGENICITY			None known

SECTION VII-PREVENTIVE MEASURES

Personal Protective Equipment to be used:

Gloves(specify):	Not required during normal use	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 NIOSH approved cartridge type respirator is recommended		
Engineering Controls:	Local and mechanical ventilation		
Leak and Spill Procedure:	Small spill flush away with plenty of water. Large spill use inert absorbent contain and collect for disposal.		
Waste Disposal:	Standard methods as approved in your area by govt. authorities.		
Storage Requirements:	Keep below 48.9°C. Keep container closed when not in use. Keep away from freezing.		
Handling Procedures and Equipment:	Handle with care. Do not inhale or ingest. Keep away from children. Do not incinerate or puncture container.		
DSL Listing	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 immediately if irritation persist.
Skin:	Remove contaminated clothing. Wash thoroughly with soap and water. See doctor if irritation persist.
Inhalation:	Move patient to fresh air and restore breathing if required. Call a physician if discomfort persist.
Ingestion:	DO NOT INDUCE VOMITING, call doctor 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:	Janauary 2, 2015.	Kleen-Flo Tumbler Industries Limited

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