

SECTION I-MATERIAL IDENTIFICATION AND USE

Material Name/Identifier:	Battery Kleen	Stock No.	445
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/A (mixture)	Chemical Family:	Aqueous mixture
Chemical Formula:	N.Ap.	Trade Names & Synonyms:	None
Material Use:	Neutralizer / Aerosolized Cleaner	Molecular Weight:	N/Av.

SECTION II-HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous		Approximate	LD50	LC50
Ingredients	C.A.S.	Conc. %wt.	Species & Route	Species & Route
Propane	74-98-6	1 - 5 %	>5000 mg/kg dermal-rabbit	N/Av.
Propellant (Isobutane)	75-28-5	5 - 10%	N/Av.	142500 ppm(4h) Inhal. Rat

SECTION III-PHYSICAL DATA FOR MATERIAL

Physical State:	Aerosol	Odour/Appearance:	Mild / amber colour
Specific Gravity:	1.06 - 1.10	Odour Threshold(p.p.m.):	N/Av.
Boiling Point: (Conc)	100°C	Evaporation Rate:	Less than 1
Freezing Point:	0°C	Solubility in Water: % w/w	soluble
% Volatile(by volume):	91-92	Vapour Pressure:	35-45 psig
Vapour Density(Air=1):	> 1	Coefficient of Water/Oil Distribut:	N/E
pH	N/A		

SECTION IV-FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammability Yes/No	No	If yes under which conditions?:	N.Ap.
Auto Ignition Temperature:	N/Av.	Means of Extinction:	Dry Chemical,Foam,Carbon dioxide
Flashpoint and Method:	N.Ap.	Hazardous Combustion Products:	Hydrocarbon fumes & black smoke.
Upper Flammable limit (%vol)	None	Lower Flammable Limit(% by volume):	None
Explosion Data:	Sensitivity to Mech. 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?	Strong oxidizing agents
Reactivity and under what conditions?	N/Av.		
Hazardous Decomposition Products:	Hydrocarbon fumes and smoke. Carbon monoxide where combustion is incomplete		

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 -x-EYE CONTACT -x-INHALATION -x-INGESTION		
Effects of Acute Exposure:	Nausea, dizziness, irritation to eye and skin.		
Effects of Chronic Exposure:	None known		
LD 50 of Product:	N/E	LC 50 of Product:	N/E
Irritancy of Product:	eye & skin irritant	Exposure Limits of Product:	N/E
Sensitization of Product:	N/E	Toxicologically Synergistic Materials:	N/E
--CARCINOGENICITY --REPRODUCTIVE EFFECTS --TERATOGENICITY --MUTAGENICITY			None known

SECTION VII-PREVENTIVE MEASURES

Personal Protective Equipment to be used:

Gloves(specify):	Chemical resistant gloves	Eye(specify):	Safety glasses
Respiratory(specify):	Not required in normal use	Clothing:	Not Required
Respiratory Protection:	If used indoors or on a continuous basis, use of cartridge type NIOSH approved respirator is recommended		
Engineering Controls:	If used indoors on a continuous basis, local mechanical ventilation is recommended.		
Leak and Spill Procedure:	Remove source of ignition. Use an inert absorbent material.		
Waste disposal	Aerosol containers to be disposed off at local recycling depot. Do not puncture or incinerate even if it's empty.		
Storage Requirements:	Store at temperature below 48.9°C. Keep container closed when not on use. Keep away from heat, sparks and open flames.		
Handling Procedures and	Store in cool, well ventilated area where temperature does not exceed 50°C.		
Equipment:	Do not puncture or incinerate container. Handle with care. Keep away from children.		
DSL listing	All components are listed.		
NFPA 30B/CFPC 3.3.5	Level 1		
TDG Classification:	Consumer Commodity		
WHMIS Classification:	Consumer Commodity	Complies with CCCR 2001	

SECTION VIII-FIRST AID MEASURES

Eye:	Flush with water for at least 15 minutes. If discomfort persists, get medical help immediately.
Skin:	Remove contaminated clothes. Wash with soap and water. If rash persists, seek medical help.
Inhalation:	Remove to fresh air. Seek medical help if patient feels discomfort.
Ingestion:	Do not induce vomiting, get medical attention immediately.

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

Additional Info/Comments:	Sources Used: Supplier's data
Phone Number:	(905) 793-4311
Date Prepared:	January 2, 2012.
Kleen-Flo Tumbler Industries Limited	

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