

SECTION I-MATERIAL IDENTIFICATION AND USE

Material Name/Identifier:	Odour-Kleen	Stock No.	306
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.	Chemical Family:	N/Ap. (mixture)
Chemical Formula:	N/Ap. (mixture)	Trade Names & Synonyms:	Odour-Kleen
Material Use:	Odour neutralizer & air refresher	Molecular Weight:	N/Ap. (mixture)

SECTION II-HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredients	C.A.S.	Approximate Concentration	LD50 Species & Route	LC50 Species & Route
D-Limonene	5989-27-5	30 -60 %	4400 mg/kg rat-oral	N/Av.
Ethanol	64-17-5	10 -30 %	7060 mg/kg rat-oral	31623 ppm, rat- 4hr.
Propylene Glycol	57-55-6	1 - 5 %	20000mg/kg rat-oral	N/Av.
Isobutane	75-28-5	15 - 40 %	N/Ap.	142500 ppm(4h) Inhal-rat
Propane	74-98-6	5 - 10 %	>5000mg/kg Dermal-rabbit	N/Av.

SECTION III-PHYSICAL DATA FOR MATERIAL

Physical State:	aerosol	Odour/Appearance:	citrus/clear light yellow liquid
Specific Gravity:	0.73-0.77	Odour Threshold(p.p.m.):	N/E
Boiling Point (Conc.):	75-175 °C	Evaporation Rate:	> 1
Freezing Point:	N/Av.	Solubility in Water:	miscible in water
% Volatile(by volume):	99%	Vapour Pressure (Aerosol)	35-45 psig
Vapour density	> 1	Coefficient of Water/Oil Distribut:	N/E
pH	N/Ap.		

SECTION IV-FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammability Yes/No	Yes, Exteremely Flammable	If yes under which conditions?:	open flame or spark or heat
Auto Ignition Temperature:	N/Av.	Means of Extinction:	Water, Foam, Carbon dioxide,Dry Chemical
Flashpoint and Method:	13 °C (liquid phase)	Hazardous Combustion Products:	Hydrocarbon fumes and smoke.
Flame extension	>45 cm <100 cm		carbon monoxide where combustion incomplete.
flashback	None		
Upper Flammable limit	6.1 %vol	Lower Flammable Limit(% by volume):	0.7
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 agent
Reactivity and under what conditions?	Avoid contact with strong oxidizing agents, strong acids, strong alkalies .		
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: ALL Routes	--SKIN CONTACT --SKIN ABSORPTION --EYE CONTACT --INHALATION --INGESTION		
Effects of Acute Exposure:	Inhalation: Excessive vapors may be irritating to nose , throat and respiratory tract. It may also cause central nervous system effect including dizziness, weakness, fatigue, nausea, headache and possible unconsciousness.		
Effecgts of chronic exposure:	Prolonged or repeated skin contact may lead to skin dermatitis.		
LD 50 of Product:	N/E	LC 50 of Product:	N/E
Irritancy of Product:	Skin and eyes 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):	Not required under normal use	Eye(specify):	Safety glasses
Respiratory(specify):	Not required under 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 or mechanical ventilation required.		
Leak and Spill Procedure:	Remove sources of ignition. Use an inert absorbent material and non-sparkling tools. Avoid breathing fumes		
Waste Disposal:	Do not puncture or incinerate, even with empty cans. Dispose off according to local or federal regulation.		
Storage Requirements:	Store in a cool, well ventilated area where temperature not to exceed 50°C		
Handling Procedures and Equipment:	Use with adequate ventilation. Contents under pressure. Keep away from heat, sparks, flames and other sources of ignition. Handle with care. Keep away from children. Do not inhale or ingest.		
DSL	All ingredients are in the Domestic substance listing.		
NFPA/CFNC 3.3.5	Level 2		
TDG Classification:	Limited Quantity		
WHMIS Classification:	Consumer Commodity	Complies to CCCR 2001	

SECTION VIII-FIRST AID MEASURES

Eye:	Flush immediately with fresh water for at least 15 minutes. See a doctor immediately.
Skin:	Wash with soap and water, consult a doctor if irritation or rashes persist.
Inhalation:	Move patient to fresh air and restore breathing if required. Call a physician if discomfort persist.
Ingestion:	DO NOT INDUCE VOMITING. Get medical attention immediately.

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

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

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

N/Av.: not available

N/Ap.: not applicable

N/E: not established