

SECTION I-MATERIAL IDENTIFICATION AND USE

Material Name/Identifier:	Multi-Kleen Concentrate	Stock No.	175 / 176 / 179
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:	Multi-kleen
Material Use:	General purpose cleaner	Molecular Weight:	N.Ap.(mixture)

SECTION II-HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredients	C.A.S.	Approximate Conc. %wt.	LD50 Species & Route	LC50 Species & Route
Sodium metasilicates	6834-92-0	0.1 - 1.0	0.8 g/kg rat-oral	N/Av.
2-butoxyethanol	111-76-2	7-13%	1746 mg/kg rat-oral	450 ppm (4hr) rat-inh.
Alcohol Ethoxylated	68439-46-3	10-15%	>2000 mg/kg rat-oral	N/Av.
Sodium tripolyphosphates	7758-29-4	1-5%	3100 mg/kg rat-oral	N/Av.

SECTION III-PHYSICAL DATA FOR MATERIAL

Physical State:	liquid	Odour/Appearance:	mild odour/ clear, blue liquid
Specific Gravity:	1.03	Odour Threshold(p.p.m.):	N/E
Boiling Point:	N/E	Evaporation Rate:	N/E
Freezing Point:	0°C	Solubility in Water:	Soluble
% Volatile(by volume):	N/E	Vapour Pressure(mm)Hg:	N/Av.
Vapour Density(Air=1):	N/E	Coefficient of Water/Oil Distribut:	N/Av.
pH	10 - 11.5		

SECTION IV-FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammability Yes/No	No	If yes under which conditions:	
Auto Ignition Temperature:	N/Av.	Means of Extinction:	carbon dioxide, dry chemical, water spray
Flashpoint and Method:	None	Hazardous Combustion Products:	None known
Upper Flammable limit (%vol)	N/E	Lower Flammable Limit(% by volume):	N/E
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?	strong oxidizers, strong acids
Reactivity and under what conditions?	Heat, flame, ignition sources		
Hazardous Decomposition Products:	Carbon and nitrogen oxides		

N/E: not established

N/Av.: not applicable

N/Av.: not available

SECTION VI-TOXICOLOGICAL PROPERTIES OF PRODUCT

Route of Entry:	-x-SKIN CONTACT -x-SKIN ABSORPTION -x-EYE CONTACT --INHALATION -x-INGESTION		
Effects of Acute Exposure:	Prolonged exposure to skin may cause dermatitis. High vapors may cause headaches, nausea intoxication which will lead to intense burning of the throat followed by dizziness and weakness.		
Effects of Chronic Exposure:	No chronic effect known.		
LD 50 of Product:	N/Av.	LC 50 of Product:	N/Av.
Irritancy of Product:	Eye and Skin irritant	Exposure Limits of Product:	N/Av.
Sensitization of Product:	None known	Toxicologically Synergistic Materials:	N/Av.
--CARCINOGENICITY --REPRODUCTIVE EFFECTS --TERATOGENICITY --MUTAGENICITY			None known

SECTION VII-PREVENTIVE MEASURES

Personal Protective Equipment to be used:

Gloves(specify):	Rubber gloves	Eye(specify):	Safety goggles
Respiratory(specify):	Not required under normal usage condition	Clothing:	not required
Respiratory Protection:	If used indoors or on a continuous basis, use of cartridge type respirator is recommended		
Engineering Controls:	Adequate general ventilation.		
Leak and Spill Procedure:	Hose off with plenty of water.		
Waste Disposal:	Collect and contain for disposal as per local and federal regulation		
Storage Requirements:	Do not freeze.		
Handling Procedures and Equipment:	Avoid excessive inhalation and repeated skin contact.		
DSL listing	All components are listed.		
TDG Classification:	Not regulated		
WHMIS Classification:	#175 Consumer Commodity. #176, #179 D2B		

SECTION VIII-FIRST AID MEASURES

Eye:	Wash with water for at least 15 minutes. Seek medical attention if irritation persists.
Skin:	Flush skin with plenty of water.
Inhalation:	Remove to fresh air. If breathing is difficult, give oxygen. Seek medical attention.
Ingestion:	DO NOT INDUCE VOMITING. Give water, Seek medical attention immediately.

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 Prepared:	January 2, 2012	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