

**SECTION I-MATERIAL IDENTIFICATION AND USE**

Material Name/Identifier:	Ten Minute Rad Flush	Stock No.	708
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:	Alcohol/Hydrocarbon
Chemical Formula:	N.Ap (mixture)	Trade Names & Synonyms:	None
Material Use:	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
Aliphatic alcohol	67-63-0	40 - 70%	5045 mg/kg rat-oral	16000 ppm (4hr) rat-inh.
Aromatic Hydrocarbon	1330-20-7	20 - 40%	4300 mg/kg rabbit-dermal	5000 ppm (4hr) rat-inh.
Alcohol Ethoxylated	68439-46-3	5 - 10%	>2000 mg/kg rat-oral	N/Av.
Ethyl benzene	100-41-4	1-5%	3500mg/kg rat-oral	4000 ppm(4hr) rat-inhal

**SECTION III-PHYSICAL DATA FOR MATERIAL**

Physical State:	liquid	Odour/Appearance:	alcohol odour/ yellowish liquid
Specific Gravity:	0.8329	Odour Threshold(p.p.m.):	N/E
Boiling Point:	64°C	Evaporation Rate:	N/E
Freezing Point:	< -40 °C	Solubility in Water:	partially
% Volatile(by volume):	N/E	Vapour Pressure(mm)Hg:	N/E
Vapour Density(Air=1):	N/E	Coefficient of Water/Oil Distribut:	N/E
pH	N.Ap.		

**SECTION IV-FIRE AND EXPLOSION HAZARD OF MATERIAL**

Flammability Yes/No	Yes	If yes under which conditions:	Open flame or spark
Auto Ignition Temperature:	N/E	Means of Extinction:	Foam, carbon dioxide, dry chemicals
Flashpoint and Method:	19°C TCC	Hazardous Combustion Products:	Carbon dioxide, carbon monoxid Aldehydes, Hydrocarbon fumes, smoke
Upper Flammable limit (%vol)	12	Lower Flammable Limit(% vol)	1.1
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 oxidizing agents, strong acids
Reactivity and under what conditions?	Hot surfaces, Open flame, Fire		
Hazardous Decomposition Products:	Carbon dioxide, carbon monoxide, aldehydes, hydrocarbon fumes, smoke		

N/E: not established

N.Ap.: not applicable

N/Av.: not available

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**SECTION VI-TOXICOLOGICAL PROPERTIES OF PRODUCT**

Route of Entry: ALL Routes	--SKIN CONTACT --SKIN ABSORPTION --EYE CONTACT --INHALATION --INGESTION		
Effects of Acute Exposure:	Eye, Skin irritation. May cause headache, dizziness, nausea, drowsiness and central nervous system depression.		
Effects of Chronic Exposure:	High exposure to dimethylbenzene in some animal studies have been reported to cause health effects on developing embryo/fetus. Their effects were often at levels toxic to the mother. The significance of these findings to humans has not been determined.		
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

Ethyl benzene is listed as possible carcinogenic by IARC.

**SECTION VII-PREVENTIVE MEASURES**

Personal Protective Equipment to be used:

Gloves(specify):	Nitrile, Viton, Chemical resistant gloves	Eye(specify):	Safety Glasses
Respiratory(specify):	Organic Vapour mask	Clothing:	Not required
Respiratory Protection:	If used indoors or on a continuous basis, use of NIOSH approved respirator is recommended		
Engineering Controls:	Local and mechanical ventilation.		
Leak and Spill Procedure:	Use absorbent materials and non sparking tools.		
Waste Disposal:	Standard methods as approved in your area by local or provincial government regulation.		
Storage Requirements:	Store at room temperature. Keep container closed when not in use. Keep away from open flame, excessive heat, source of ignition.		
Handling Procedures and	Handle with care. Keep away from children. Do not inhale or ingest.		
DSL Listing	All components are listed in the inventory.		
TDG Classification:	Consumer Commodity		
WHMIS Classification:	Consumer Commodity	Complies with Consumer Chemicals & Containers Reg. 2001	

**SECTION VIII-FIRST AID MEASURES**

Eye:	Flush eyes with plenty of water for at least 15 minutes, consult a physician immediately.
Skin:	Remove contaminated clothing. Rinse with soapy water 5 - 10 minutes. See doctor if discomfort persist.
Inhalation:	Move patient to fresh air and restore breathing if required. Call a physician if discomfort persist.
Ingestion:	DO NOT INDUCE VOMITING. Get prompt medical attention.

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

Additional Info/Comments:		Source Used: Supplier's data
Phone Number:	(905) 793-4311	Prepared By: Quality Control Laboratory
Date Prepared:	January 16, 2012	Kleen-Flo Tumbler Industries Limited

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

N/E: not established

N.Ap.: not applicable

N/Av.: not available