

SECTION I-MATERIAL IDENTIFICATION AND USE

Material Name/Identifier:	Air Intake System Cleaner	Stock No.	830-4
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.
Chemical Formula:	N.Ap.	Trade Names & Synonyms:	N/Av.
Material Use:	Aerosol spray cleaner	Molecular Weight:	N/Av.

SECTION II-HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredients	C.A.S.	Approximate % Concentration	LD50 Species & Route	LC50 Species & Route
Acetone	67-64-1	10-30	>9750mg/kg rat-oral	16000 ppm(4hr) rat-inhal
Diacetone Alcohol	123-42-2	1 - 5	4000mg/kg rat-oral	N/E
Xylene	1330-20-7	10-30	4300mg/kg rat-oral	6350 ppm (4hr) rat-inh.
Toluene	108-88-3	15-40	5000mg/kg rat-oral	8000 ppm (8hr) rat-inh.
Ethylbenzene	100-41-4	3 - 7	5460mg/kg rat-oral	N/Av.
Naphtha solvent	64742-89-8	5 -10	N/Av.	3400ppm(4hr)rat-inhal.
Isobutane	75-28-5	5 -10	N/Av.	142500ppm(4hr) rat-inhal.
Propane (Propellant)	74-98-6	20 -30	>5000mg/kg dermal-rabbit	N/Av.

SECTION III-PHYSICAL DATA FOR MATERIAL

Physical State:	Aerosol	Odour/Appearance:	Solvent odour/ clear colorless liquid
Specific Gravity:	0.84	Odour Threshold(p.p.m.):	N/E
Boiling Point(Concentrate):	57 to 168°C	Evaporation Rate:	>1
Freezing Point:	N/E	Solubility in Water:	N/E
% Volatile(by volume):	100	Vapor Pressure, psig	50 - 70
Vapour Density(Air=1):	>1	Coefficient of Water/Oil Distribut	N/E
pH	N.Ap.		

SECTION IV-FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammability Yes/No	Yes	If yes, which conditions?: Exposure to heat, sparks, open flames
Auto Ignition Temperature:	465°C	Means of Extinction: Dry chemical, foam
Flashpoint and Method:	-18°C TCC(lowest known as Acetone)	Hazardous Combustion Products: Hydrocarbon fumes
		Carbon monoxide where combustion incomplete
Upper Flammable limit(% vol)	12.80	Lower Flammable Limit (% by volume): 0.90
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 Oxidizers
Reactivity and under what conditions?	N/Av.	
Hazardous Decomposition Products:	Carbon dioxide, Carbon monoxide, Hydrocarbon fumes	
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:		May casue Dizziness, nausea, vomiting headache, weakness, eye/skin irritation		
Effects of Chronic Exposure:		Long term exposure (years) of vapour may cause lung, liver or kidney damage. The solvents listed		
		have been reported to affect the central nervous system		
LD 50 of Product:	N/Av.	LC 50 of Product:	N/Av.	
Irritancy of Product:	Eye & Skin Irritant	Exposure Limits of Produc Diacetone Alcohol-50ppm (TIV)		
Sensitization of Product:	N/Av.	Toxicologically Synergistic Materials:	N/Av.	
--CARCINOGENICITY --REPRODUCTIVE EFFECTS --TERATOGENICITY --MUTAGENICITY				None known
Ethyl benzene has been listed as possible carcinogenic by IARC				
SECTION VII-PREVENTIVE MEASURES				
Personal Protective Equipment to be used:				
Gloves(specify):	chemical resistant gloves	Eye (specify):	Safety Glasses	
Respiratory(specify):	Organic Vapor Mask	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 all sources of ignition. Use inert absorbent material, non sparking tools. Avoid breathing fumes.			
	Ventilate area. Prevent from entering a watercourse.			
Waste Disposal:	Standard methods as approved in your region by local govt. authority.			
Storage Requirements:	Store in a cool, well ventilated area where temperature not exceeding 50°C			
Handling Procedures and	Do not puncture or incinerate containers, even when empty. Handle with care. Keep away from children.			
Equipment	Avoid skin, eye conatct. Do not inhale or ingest.			
DSL listing:	All ingredients are listed in the inventory.			
Equipment:				
NFPA30B/CNFC 3.3.5	Level 3			
TDG Classification:	Limited Quantity			
WHMIS Classification:	A, B5 & D2A, D2B			
SECTION VIII-FIRST AID MEASURES				
Eye:	Flush with water for at least 15 minutes. Seek medical help immediately if irritation persists.			
Skin:	Flush immediately and thoroughly with soap and water. Contact doctor if rash, irritation persist.			
Inhalation	Move patient to fresh air and restore breathing if required. See doctor if discomfort persist.			
Ingestion:	DO NOT INDUCE VOMITING. Seek immediate medical help.			
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:	Janaury 2, 2015.	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