

SECTION I-MATERIAL IDENTIFICATION AND USE

Material Name/Identifier:	Aluminum Super Enamel	Stock No.	4009
Manufacturer's Name:	Kleen-Flo Tumbler Industries Ltd	Street Address:	75 Advance Blvd.
City:	Brampton	Province:	Ontario
Postal Code:	L6T 4N1	Chemical Family:	N/Av. (mixture)
Emergency Phone #:	CANUTEC:- 613-996-6666 (24HR)	Trade Names & Synonyms:	N/Av.
Chemical Name:	N/Av. (mixture)	Chemical Formula:	N/Av. (mixture)
Material Use:	AEROSOLIZED PAINT	Molecular Weight:	N/Av. (mixture)

SECTION II-HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredients	C.A.S.	Approximate %Concentration	LD50 Species & Route	LC50 Species & Route
Diacetone Alcohol	123-42-2	1-5	4000mg/kg rat-oral	N/E .
Toluene	108-88-3	10-30	5000 mg.kg rat-oral	8000 ppm (4 hr) rat
Methylene chloride	75-09-2	30-60	2100 mg/kg rat-oral	88000 mg/m3 (1/2hr) rat-inh.
Aluminum	7429-90-5	1-5	N/Av	N/Av.
Propane	74-98-6	10-30	>5000 mg.kg Rabbits-Dermal	N/Av.
Isobutane	75-28-5	5-10	N/Av	142500 ppm (2hr) rat-inh.

SECTION III-PHYSICAL DATA FOR MATERIAL

Physical State:	Aerosol	Odour/Appearance:	Chlorinated hydrocarbon/ Silver colour
Specific Gravity:	1.00-1.20	Odour Threshold(p.p.m.):	N/Av.
Boiling Point:	39.8 - 156 oC	Evaporation Rate:	>1
Freezing Point:	N/Av.	Solubility in Water:	Negligible
% Volatile(by volume):	89 - 90	Vapour Pressure:	55-65 psig
Vapour Density(Air=1):	> 1	Coefficient of Water/Oil Distribut:	N/Av.
pH	N.Ap.		

SECTION IV-FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammability Yes/No	Yes	If yes under which conditions?: Excessive heat, open flame or sparks
Auto Ignition Temperature:	480°C	Means of Extinction: (Water, Carbon dioxide, Dry chemical, Foam)
Flashpoint and Method:	> 4°C Tag C.C.	Hazardous Combustion Products: Chlorine, phosgene, hydrocarbon fumes
Aerosol Flame Projection:	> 15 cm But <100 cm	& smoke. Carbon monoxide where combustion is incomplete.
Upper Flammable limit (%vol)	22	Lower Flammable Limit (% by volume): 1
(% by volume):		
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 oxidzers
Reactivity and under what conditions?	N/E	
Hazardous Decomposition Products:	Hydrocarbon fumes & smoke. Chlorine, phosgene gas.	
N/E: not established	N.Ap.: not applicable	N/Av. not avialable

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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:		Dizziness and nausea. Irritation to skin & eyes.		
Effects of Chronic Exposure:		Methylene chlorine overexposure may lead to central nervous system depression, cardiac sensitization Solvents may cause defatting dermatitis.		
LD 50 of Product:	N/E	LC 50 of Product:	N/E	
Irritancy of Product:	Irritant to skin and eyes	Exposure Limits of Product:	N/E	
Sensitization of Product:	Presently Unknown	Toxicologically Synergistic Materials:	N/E	
--CARCINOGENICITY --REPRODUCTIVE EFFECTS --TERATOGENICITY --MUTAGENICITY				presently not listed
SECTION VII-PREVENTIVE MEASURES				
Personal Protective Equipment to be used:				
Gloves(specify):	Chemical resistant	Eye (specify):	Safety Glasses	
Respiratory(specify):	NIOSH/MSHATC 23C Organic vapor mas	Clothing:	Not required	
Respiratory Protection:	If used indoors or on a continuous basis, use of NIOSH approved cartridge type respirator is recommended			
Engineering Controls:	Ventilation - Local (Mechanical if used indoors in a contiuous basis)			
Leak and Spill Procedure:	Remove all sources of ignition. Use inert absorbent material, and non-sparking tools. Avoid breathing fumes. Ventilate area. Prevent from entering a watercourse.			
Waste Disposal:	Do not Puncture or incinerate containers even when empty. Dispose of in accordance with local, provincial and federa regulations. Aerosol cans to be disposed of at local recycling depots.			
Storage Requirements:	Store in a cool, well ventilated area not to exceed 50°C			
DSL listing	all components are listed			
Handling Procedures and	Keep away from heat, sparks and open flames. Keep away from children. Donot inhale or ingest.			
NFPA30B/CNFC 3.3.5	Level 1			
TDG Classification:	CONSUMER COMMODITY			
WHMIS Classification:	A, B5, D1B, D2A, D2B.	Complies with CCCR 2001		
SECTION VIII-FIRST AID MEASURES				
Eye:	Flush immediately with plenty of water for at least 15 minutes and get immediate medical attention.			
Skin:	Wash thoroughly with soap and water. If irritation and rash presists seek medical attention.			
Inhalation	Remove to fresh air. Restore breathing if required. Seek immediate medical attention if discomfort persist.			
Ingestion:	DO NOT INDUCE VOMITING. Get immediate medical attention.			
SECTION IX-PREPARATION DATE OF M.S.D.S.				
		Source Used: Supplier's data		
Phone Number:	(905) 793-4311	Prepared By: Quality Control Laboratory		
Date Prepared:	Janaury 2, 2015.	Kleen-Flo Tumbler Industries Limited		
N/E: not established		N.Ap.: not applicable		N/Av. not avialable