

SECTION I-MATERIAL IDENTIFICATION AND USE

Material Name/Identifier:	Flat Black Super Enamels	Stock No.	4002
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/Av. (Mixture)	Chemical Family:	N/Av. (Mixture)
Chemical Formula:	N/Av. (Mixture)	Trade Names & Synonyms:	None
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
Acetone	67-64-1	15-45	9750 mg/kg rat-oral	>16000 ppm (4hr)rat-inh.
Methyl Ethyl Ketone	78-93-3	5 - 10	4000 mg/kg rat-oral	8000 ppm (8hr) rat-inh.
Xylene	1330-20-7	7 - 13	4300 mg/kg rat-oral	6350 ppm (4hr) rat-inh
Ethyl Benzene	100-41-4	1-5	5460 mg/kg rat-oral	N/A
VM&P Naphtha	64742-89-8	1-10	N/Ap	3400 ppm (4hr) rat-inh
Mineral Spirits	64742-47-8	1-5	>5000 mg/kg rat-oral	1400 ppm (8hr) rat-inh.
Carbon black	1333-86-4	0 -1.0	>10000 mg/kg rat-oral	N/A
Isobutane	75-28-5	5 -10	N/Ap	142,500 ppm (4 hr), rat-inhl.
Propane	74-98-6	10 - 30	>5000 mg/kg Rabbits-Derma	N/A
Propylene glycol Mehtyl ether acetate	108-65-6	1-5	8500 mg/kg rat-oral	> 4345 ppm (6hr) rat-inh.

SECTION III-PHYSICAL DATA FOR MATERIAL

Physical State:	Aerosol	Odour/Appearance:	Ketone odour/ black colour
Specific Gravity:	0.80-1.0	Odour Threshold(p.p.m.):	N/Av.
Boiling Point:	57 - 150 oC	Evaporation Rate:	> 1
Freezing Point:	N/A	Solubility in Water(% W/W):	N/Av.
% Volatile(by weight):	88-89	Vapour Pressure	55-65 psig
Vapour Density(Air=1):	> 1	Coefficient of Water/Oil Distribut:	N/Av.
pH	N.Ap.	% VOC	45 - 55

SECTION IV-FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammability Yes/No	Yes	If yes for which conditions?:	excessive heat, sparks, open flame
Auto Ignition Temperature:	272 to 527°C.	Means of Extinction:	Water, Carbon dioxide, Dry chemical, Foam
Flashpoint and Method:	> -18°C Tag C.C.	Hazardous Combustion Products:	Hydrocarbon fumes & smoke. Carbon monoxide where combustion is incomplete.
Aerosol Flame Projectiion:	> 15 cm <100cm		
Flashback	None		
Upper Flammable Limit (%vol)	12.8	Lower Flammable Limit (% by volume):	0.9
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:	Hydrocarbon fumes & smoke. Carbon monoxide wher 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:	Dizziness, nausea. Irritation to skin & eyes.		
Effects of Chronic Exposure:	Solvents may cause defatting dermatitis.		
Irritancy of Product:	Irritant to eyes and skin		
Sensitization of Product:	N/E	Toxicologically Synergistic Materials:	N/E
--CARCINOGENICITY --REPRODUCTIVE EFFECTS --TERATOGENICITY --MUTAGENICITY			
<p>Xylene: High exposures to Xylene in some animal studies, often at levels toxic to the mother, affected embryo/fetal development. The Significance of this finding to Human is not known. Xylene- this product contains EthylBenzene (EthylBenzene is in Xylene). Ethylbenzene has been shown to cause cancer uncertain. IARC has Classified EthylBenzene as a possible human carcinogen.</p>			

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 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:	Ventilation - Local (Mechanical if used indoors on continuous 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 federal 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 on the inventory.		
NFPA 30B/CNFC section 3.3.5	Level 2		
Handling Procedures and	Keep away from heat, sparks and open flames. Keep away from children. Donot inhale or ingest.		
TDG Classification:	Consumer Commodity (Aerosols, UN1950, Class 2.1).		
WHMIS Classification:	A, B5, 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 persists 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.

Additional Info/Comments:		Source used: Supplier's data
Phone Number:	(905) 793-4311	Prepared By: Quality Control Laboratory
Date Prepared:	Janauary 2, 2015.	Kleen-Flo Tumbler Industries Limited

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