

**SECTION I-MATERIAL IDENTIFICATION AND USE**

Material Name/Identifier:	Bright Orange Super Enamel	Stock No.	4011
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	10-45	>9750 mg/kg rat-oral	>16000 ppm (4hr)rat-inh.
Xylene	1330-20-7	7-13	4300 mg/kg rat-oral	6350 ppm (4hr) rat-inh
VM&P Naptha	64742-89-8	1-10	N/Av.	3400 ppm (4hr) rat-inh.
Methyl Ethyl ketone	78-93-3	5-10	3400 mg/kg rat-oral	8000 ppm (8hr) rat - inh.
Carbon black	1333-86-4	0 -1.0	>10000 mg/kg rat-oral	N/Av.
Mineral Spirits	64742-47-8	1-5	>5000 mg/kg rat-oral	1400 ppm (4hr) rat-inh.
Ethyl bezene	100-41-4	1 - 5	5460 mg/kg rat- oral	N/Av.
Isobutane	75-28-5	5 -10	N/Av.	142,500 ppm (4 hr), rat-inhl
Propane	74-98-6	10-30	>5000 mg/kg rabbits-D	N/Av.
Propylene Glycol methyl 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/ orange colour liquid
Specific Gravity:	0.80 - 1.00	Odour Threshold(p.p.m.):	N/Av.
Boiling Point:	57 to 150°C	Evaporation Rate:	>1
Freezing Point:	N/Av.	Solubility in Water:	N/Av.
% Volatile(by volume):	85 - 90%	Vapour Pressure,	55-65 psig
Vapour Density(Air=1):	>1	Coefficient of Water/Oil Distribut:	N/Av.
pH	N.Ap.	% VOC	50 -51

**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:	272- 527 oC	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 Projection:	> 15 cm But < 100 cm		
Flashback	No		
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 oxidzers
Reactivity and under what conditions?	N/E		
Hazardous Decomposition Products:	Hydrocarbon fumes & smoke. Carbon monoxide where combustion is incomplete.		
N/E: not established	N.Ap.: not applicable	N/Av. not avialable	

**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 and eyes.

**Effects of Chronic Exposure:** Solvents may cause defatting dermatitis.

<b>Irritancy of Product:</b>	Irritant to eyes	<b>Exposure Limits of Product:</b>	N/E
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<b>Sensitization of Product:</b>	Presently Unknown	<b>Toxicologically Synergistic Materials:</b>	N/E
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**--CARCINOGENICITY --REPRODUCTIVE EFFECTS --TERATOGENICITY --MUTAGENICITY**

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 in laboratory animals. Toxicity tests carried out for chronic effects and mutagenicity have been negative. The Relevance of this finding to human is uncertain. IARC has Classified EthylBenzene as a possible human carcinogen.

**SECTION VII-PREVENTIVE MEASURES**

**Personal Protective Equipment to be used:**

<b>Gloves(specify):</b>	Chemical resistant	<b>Eye (specify):</b>	Safety Glasses
<b>Respiratory(specify):</b>	NIOSH/MSHATC 23C Organic vapor re	<b>Clothing:</b>	Not required
<b>Respiratory Protection:</b>	If used indoors or on a continuous basis, use of NIOSH approved cartridge type respirator is recommended		
<b>Engineering Controls:</b>	Ventilation - Local (Mechanical if used indoors on continuous basis)		
<b>Leak and Spill Procedure:</b>	Remove all sources of ignition. Use inert absorbent material, and non-sparking tools. Avoid breathing fumes. Ventilate area. Prevent from entering a watercourse.		
<b>Waste Disposal:</b>	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.		
<b>Storage Requirements:</b>	Store in a cool, well ventilated area not to exceed 50°C		
<b>NFPA 30B/CNFC 3.3.5</b>	Level 2		
<b>Handling Procedures and</b>	Keep away from heat, sparks and open flames.		
<b>TDG Classification:</b>	Consumer Commodity (Aerosols, UN1950, Class 2.1)		
<b>WHMIS Classification:</b>	A, B5, D2A, D2B	Complies with CCCR 2001	

**SECTION VIII-FIRST AID MEASURES.**

<b>Eye:</b>	Flush immediately with plenty of water for at least 15 minutes and get immediate medical attention.
<b>Skin:</b>	Wash thoroughly with soap and water. If irritation and rash persists seek medical attention.
<b>Inhalation</b>	Remove to fresh air. Restore breathing if required. Seek immediate medical attention if discomfort persist.
<b>Ingestion:</b>	DO NOT INDUCE VOMITING. Get immediate medical attention.

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

		Source used: Supplier's data
<b>Phone Number:</b>	(905) 793-4311	<b>Prepared By:</b> Quality Control Laboratory
<b>Date Prepared:</b>	January 16, 2012	Kleen-Flo Tumbler Industries Limited

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