

KLEEN-FLO TUMBLER INDUSTRIES LIMITED			MATERIAL SAFETY DATA SHEET	
SECTION I-MATERIAL IDENTIFICATION AND USE				
Material Name/Identifier:	Royal Blue Super Enamel	Stock No.	4008	PAGE 1
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:	N/Av.	
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 - inhl.
Ethyl bezene	100-41-4	1 - 5	5460 mg/kg rat- oral	N/Av.
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-Dermal	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/ Blue colour liquid	
Specific Gravity:	0.83-0.87	Odour Threshold(p.p.m.):	N/Av.	
Boiling Point:	57 - 150 oC	Evaporation Rate:	> 1	
Freezing Point:	N/Av.	Solubility in Water:	N/Av.	
% Volatile(by volume):	90-91	Vapour Pressure,	55-65 psig	
Vapour Density(Air=1):	> 1	Coefficient of Water/Oil Distribution	N/Av.	
pH	N/Ap.	% VOC	58 - 59	
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 Product: Hydrocarbon fumes &		
Aerosol Flame Extension:	> 15 cm But <100 cm	smoke. Carbon monoxide where combustion is incomplete.		
Flashback	None			
Upper Flammable limit(% vol)	18	Lower Flammable Limit (% by volume):		
Explosion Data:	Sensitivity to Mechanical Impact: N/Av.		Sensitivity to Static Discharge:	
SECTION V-REACTIVITY DATA				
Chemical Stability Yes/No:	Yes	If NO under which conditions?		
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

Material Name/Identifier:	Royal Blue Super Enamel	Stock No.	4008	PAGE 2
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:	Solvents may cause defatting dermatitis.			
Irritancy of Product:	Irritant to eyes	Exposure Limits of Product:		
Sensitization of Product:	Presently Unknown	Toxicologically Synergistic Materials:		
--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:				
Gloves(specify):	Chemical resistant	Eye (specify):	Safety Glasses	
Respiratory(specify):	NIOSH 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 in a 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			
NPFA 30B/CNFC 3.3.5	Level 2			
Handling Procedures and	Keep away from heat, sparks and open flames. Keep away from children. Do not 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 persists.			
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		
THIS SHEET SUPERSEDES ANY OTHER M.S.D.S. PREVIOUSLY PREPARED				
N/E: not established N.Ap: not applicable N/Av. not available				