

SECTION I-MATERIAL IDENTIFICATION AND USE

Material Name/Identifier:	GM Blue Engine Enamel	Stock No.	4107
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:	Modified Nitrocellulose
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 (mg/kg) Species & Route	LC50 Species & Route
Acetone	67-64-1	15- 40	>9750 rat-oral	>16000 ppm(4 hr) rat-inhl.
N-Butyl Acetate	123-86-4	1-5	13100 mg/kg rat-oral	2000 ppm (4hr) rat-Inhl
Di isononyl phthalate	68515-48-0	1-5	N/Av.	N/Av.
Methyl Ethyl Ketone	78-93-3	1-5	13100 mg/kg rat-oral	2000 mg/kg(4 hr.) rat-inhl.
Isopropanol	67-63-0	1-5	>4720 mg/kg rat-oral	12000 ppm (8 hr) rat-inhl.
Methyl Isobutyl ketone	108-10-1	1 -5	2080 mg/kg rat-oral	8000 ppm (4 hr) rat-inhl.
Xylene	1330-20-7	1-5	4.3 g/kg rat-oral	6350 ppm (4 hr) rat-inhl.
Toluene	108-88-3	1-5	5000 mg/kg rat-oral	8000 ppm (4 hr.) rat-inhl.
Propylene G.M.E.acetate	108-65-6	5 -10	8500 mg/kg rat-oral	> 4345 ppm (4hr) rat-inhl.
Ethyl acetate	141-78-6	1 -5	6100 mg/kg rat-oral	2263 ppm (4 hr) rat
Propane	74-98-6	7-13	>5000 mg/kg rabbits-Dermal	N/Av.
Isobutane	75-28-5	5 - 10	N/Av	142,500 ppm (4 hr) rat-inh.

SECTION III-PHYSICAL DATA FOR MATERIAL

Physical State:	Aerosol	Odour/Appearance:	Ketone odour/ Blue colour liquid
Specific Gravity:	0.80 - 1.00	Odour Threshold(p.p.m.):	N/Av.
Boiling Point:	57 - 150 oC	Evaporation Rate:	>1
Freezing Point:	N/Av.	Solubility in Water:	51-68%
% Volatile(by volume):	82 -83	Vapor Pressure	55 - 65
Vapour Density(Air=1):	>1	Coefficient of Water/Oil Distribut:	N/Av.
pH	N/Av	% VOC	43-44

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 oC Tag C.C.	Hazardous Combustion Products: Hydrocarbon fumes & smoke. Carbon monoxide where combustion is incomplete.
Aerosol Flame Projection:	> 15 cm But < 100 cm	
Flashback	None	
Upper Flammable limit (%VOL)	15.1	Lower Flammable Limit (% by volume): 2.6
Explosion Data:	Sensitivity of Mechanical Impact: N/Av.	Sensitivity to Static Discharge: N/Av

SECTION V-REACTIVITY DATA

Chemical Stability Yes/No:	Yes	If NO under which conditions?: N/Av.
Incompatibility to Other Substances Yes/No:	Yes	If so which ones? Strong Oxidizers
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 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 and nausea. Irritation to skin and eyes.		
Effects of Chronic Exposure:	Solvents may cause defatting dermatitis.		
Irritancy of Product:	Irritant to eyes	Exposure Limits of Product:	N/E
Sensitization of Product:	N/E	Toxicologically Synergistic Materials:	N/E

--CARCINOGENICITY --REPRODUCTIVE EFFECTS --TERATOGENICITY --MUTAGENICITY

Toluene- prolonged and repeated exposure of pregnant animals to toluene (levels greater than approximately 1500 ppm) has been reported to cause adverse fetal development effects. 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	
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SECTION VII-PREVENTIVE MEASURES

Personal Protective Equipment to be used:

Gloves(specify):	Chemical resistant type	Eye (specify):	Safety Glasses
Respiratory(specify):	NIOSH/MSHATC 23C Organic vapor respirator	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		
NFPA 30B/CNFC 3.3.5	Level 2		
Handling Procedures and Equipment:	Keep away from heat, sparks and open flames.		
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 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.

	Source Used: Supplier's data
Phone Number:	(905) 793-4311
Date Prepared:	Prepared By: Quality Control Laboratory Janaury 2, 2015. Kleen-Flo Tumbler Industries Limited

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