

SECTION I-MATERIAL IDENTIFICATION AND USE

Material Name/Identifier:	Black Metal Protector Surface Primer	Stock No.	4405
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/A (mixture)	Chemical Family:	Modified resin solution
Chemical Formula:	N/A (mixture)	Trade Names & Synonyms:	None
Material Use:	Aerosolized Paint	Molecular Weight:	N/A (mixture)

SECTION II-HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredients	C.A.S.	Approximate %Concentration	LD50 Species & Route	LC50 Species & Route
Xylene	1330-20-7	1-5	4300 mg/kg rat-oral	6350 ppm (4hr) rat-oral
Acetone	67-64-1	30-60	>9750 mg/kg rat-oral	>16000 ppm (4hr) rat-inh.
Toluene	108-88-3	7-13	5000mg/kg rat-oral	8000 ppm(4hr) rat-inh.
Propylene Glycol Methyl Ether Acetate	108-65-6	1-5	8500mg/kg rat-oral	>4345 ppm(6hr) rat-inh.
n-Butyl Acetate	123-86-4	1-5	13100 mg/kg rat-oral	2000 ppm (4hr) rat-inh.
n-Butyl Alcohol	71-36-3	1-5	790-4360mg/kg rat-oral	8000 ppm(4hr) rat-inh.
Ethyl Acetate	141-78-6	1-5	6100 mg/kg rat-oral	2263 ppm (4hr) rat-inh.
Ethylbenzene	100-41-4	0.1-1.0	5460 mg/kg rat-oral	N/Av.
Propane	74-98-6	7-13	>5000 mg/kg rabbits-Dermal	N/Av.
Carbon black	1333-86-4	0.1-1.0	>10000mg/kg rat-oral	N/Av.
Isobutane	75-28-5	5-10	N/Av	142,500 ppm(4 hr), rat-inhl.

SECTION III-PHYSICAL DATA FOR MATERIAL

Physical State:	Aerosol	Odour/Appearance:	Ketone odour/ black liquid
Specific Gravity:	0.84-0.88	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):	92-93	Vapour Pressure,	55-65 psig
Vapour Density(Air=1):	> 1	Coefficient of Water/Oil Distribut:	N/Av.

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°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 Projection	> 45 cm But < 100 cm		
Upper Flammable limit%vol	15.1	Lower Flammable Limit (% by volume):	2.6
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 available	

Material Name/Identifier:	Black Metal Protector Surface Primer	Stock No.	4405	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 and eyes.				
Effects of Chronic Exposure:	Solvents may cause defatting dermatitis.			
LD 50 of Product:	N/E	LC 50 of Product:	N/E	
Irritancy of Product:	Irritant to eyes and skin	Exposure Limits of Product:	N/E	
Sensitization of Product:	Presently Unknown	Toxicologically Synergistic Materials:	N/E	
--CARCINOGENICITY --REPRODUCTIVE EFFECTS --TERATOGENICITY --MUTAGENICITY				
<p>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</p> <p>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.</p>				
SECTION VII-PREVENTIVE MEASURES				
Personal Protective Equipment to be used:				
Gloves(specify):	Wear chemical resistant gloves	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 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			
NPFA30B/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 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:	January 16, 2012	Kleen-Flo Tumbler Industries Limited		
N/E: not established	N.Ap.: Not applicable		N. Av. not available	
THIS SHEET SUPERSEDES ANY OTHER M.S.D.S. PREVIOUSLY PREPARED				
