

**SECTION I-MATERIAL IDENTIFICATION AND USE**

Material Name/Identifier:	Kleen Blast	Stock No.	4150
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 (mg/kg) Species & Route	LC50 Species & Route
Acetone	67-64-1	30-60	>9750 rat-oral	>16000 ppm(4 hr) rat-inhl.
N-butyl Acetate	123-86-4	1-5	13100 mg/kg rat-oral	2000 ppm rat-Inhl (4hr)
Methyl Ethyl Ketone	78-93-3	1-5	3400 mg/kg rat-oral	8000 ppm (8 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	2000 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.
Propane	74-28-5	7 - 13	>5000 mg/kg rabbits-Derma	N/Av.
Isobutane	75-28-5	5-10	N/Av	142,500 ppm(4 hr), rat-inhl.
Di Isononyl phthalate	68515-48-0	1-5	N/Av.	N/Av.
Ethylbenzene	100-41-4	0.1-1.0	5460 mg/kg rat-oral	N/Av.
Propylene glycol methyl ether acetate	108-65-6	1-5	8500 mg/kg rat-oral	>4345 ppm (6 hr), rat-inhl.

**SECTION III-PHYSICAL DATA FOR MATERIAL**

Physical State:	Aerosol	Odour/Appearance:	Ketone odour/Grey liquid
Specific Gravity:	0.84 -0.88	Odour Threshold(p.p.m.):	N/Av.
Boiling Point:	57 - 170 oC	Evaporation Rate:	>1
Freezing Point:	N/Av.	Solubility in Water:	Not soluble
% Volatile(by volume):	87-88	Vapor Pressure	55-65 psig
Vapour Density(Air=1):	>1	Coefficient of Water/Oil Distribut:	N/Av.
pH	N. Ap.		

**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:	> 15 cm But < 100 cm		
flashback	none		
Upper Flammable limit(%vo	15.1	Lower Flammable Limit (% by volume):	2.6
Explosion Data:	Sensitivity of Mechanical Impact: N.Ap.	Sensitivity to Static Discharge:	N/Av

**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/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	

<b>Material Name/Identifier:</b> Kleen Blast		<b>Stock No.</b> 4150	<b>PAGE 2</b>
<b>SECTION VI-TOXICOLOGICAL PROPERTIES OF PRODUCT</b>			
<b>Route of Entry: ALL Routes</b>	--SKIN CONTACT --SKIN ABSORPTION --EYE CONTACT --INHALATION --INGESTION		
<b>Effects of Acute Exposure:</b>	Dizziness and nausea. Irritation to skin and eyes.		
<b>Effects of Chronic Exposure:</b>	Solvents may cause defatting dermatitis.		
<b>Irritancy of Product:</b>	Irritant to eyes and skin	<b>Exposure Limits of Product:</b>	
<b>Sensitization of Product:</b>	N/E	<b>Toxicologically Synergistic Materials:</b>	
<b>--CARCINOGENICITY --REPRODUCTIVE EFFECTS --TERATOGENICITY --MUTAGENICITY AGENCITY</b>			
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 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.			
<b>SECTION VII-PREVENTIVE MEASURES</b>			
<b>Personal Protective Equipment to be used:</b>			
<b>Gloves(specify):</b>	Chemical resistant type	<b>Eye (specify):</b>	Safety Glasses
<b>Respiratory(specify):</b>	NIOSH/MSHATC 23C Organic vapor respirator	<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>NPFA 30B/CNFC 3.3.5</b>	Level 2		
<b>Storage requirements:</b>	Store in a cool, well ventilated area not to exceed 50°C		
<b>Handling Procedures and Equipment:</b>	Keep away from heat, sparks and open flames. Keep away from children. Do not inhale or ingest.		
<b>TDG Classification:</b>	Consumer Commodity (Aerosols, UN1950, Class 2.1)		
<b>WHMIS Classification:</b>	A, B5,D1B, D2A, D2B	Complies with CCCR 2001	
<b>SECTION VIII-FIRST AID MEASURES</b>			
<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.		
<b>SECTION IX-PREPARATION DATE OF M.S.D.S.</b>			
		Source used: Supplier's data	
<b>Phone Number:</b>	(905) 793-4311	<b>Prepared By:</b> Quality Control Laboratory	
<b>Date Prepared:</b>	January 2, 2015.	Kleen-Flo Tumbler Industries Limited	
<b>THIS SHEET SUPERSEDES ANY OTHER M.S.D.S. PREVIOUSLY PREPARED</b>			
N/E: not established		N.Ap: Not applicable	N/Av. : not available