# KLEEN-FLO TUMBLER INDUSTRIES LIMITED MATERI

# MATERIAL SAFETY DATA SHEET

PAGE 1

#### SECTION I-MATERIAL IDENTIFICATION AND USE

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Material Name/Identifier:	Black Dashboard Cleaner	Stock No.	291/ 293	
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:	Mixture (N.Ap.)	Chemical Family:	Mixture (N.Ap.)	
Chemical Formula:	Mixture (N.Ap.)	Trade Names & Synonyms:	None	
Material Use:	Dashboard polish	Molecular Weight:	Mixture (N.Ap.)	

# SECTION II-HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredients	C.A.S.	Approximate Concentration	LD50 Species & Route	LC50 Species & Route
H	142.92.5	40 700/	15000	DT/A
Heptane	142-82-5	40-70%	>15000mg/kg rat-oral	N/Av.
Isobutane (propellant)	75-28-5	10-30%	N.Ap.	142,500ppm (4hr) mouse-inh.
Propane (propellant)	74-98-6	7-13%	>5000mg/kg dermal-rabb	N/Av.

# SECTION III-PHYSICAL DATA FOR MATERIAL

Physical State:	Aerosol	Odour/Appearance:	Lemon and cherry perfume, clear liquid
Specific Gravity:	0.68-0.72	Odour Threshold(p.p.m.):	N/Av.
Boiling Point: (Conc.)	92 °C	Evaporation Rate:	>1
Freezing Point:	N/Av.	Solubility in Water:	Negligible
% Volatile(by volume):	93-94	Vapor Pressure: (Aerosol)	35-45 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	Extremely flammable	If yes under which conditions: Excessive heat, sparks, open flame		
Auto Ignition Temperature:	N/Av.	Means of extinction: Carbon dioxide, dry chemical, foam, water		
Flashpoint (Concentrate):	Lowest known Heptane -7 °C, T.C.C.	Hazardous Combustion Products: Hydrocarbon fumes		
Flame Extention:	> 45 cm < 100 cm	and smoke. Carbon monoxide where combustion is incomplete.		
Upper Flammable limit(%vol)	9.5	Lower Flammable Limit (% by volume): 1.2		
Explosion Data:	Sensitivity to mechanical impact: Yes	Sensitivity to Static Discharge: No		

# 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 oxidizing agents			
Reactivity and under what conditions?	N/E	N/E			
Hazardous Decomposition Products:	Hydrocarbon fumes, smoke, carbon monoxide where combustion incomplete				
N/E: not established	N.Ap.:not applicable	N/Av.: not available			

Material Name/Identifier:	Black Dashboard Cleaner	Stock N	No. 291/293		PAGE 2
SECTION VI-TOXICOLOG	ICAL PROPERTIES OF PRODUCT				
Routes of Entry: All Routes	SKIN CONTACTSKIN ABSORPTIONEYE CONTACTINHALATIONINGESTION				
Effects of Acute Exposure:	May cause headache, nausea, dizzine	ss, irrtation to skin and e	yes.		
Effects of Chronic Exposure:	Dizziness, nausea, irritation to skin a	nd eyes. Solvent may cau	se defatting derma	atitis	
	Heptane contains trace amount of ben	izene			
LD 50 of Product:	N/E LC 50 of Product: N/E				N/E
Irritancy of Product:	Skin and eye irritant	Exposure limits of	Exposure limits of product: N/E		
Sensitization of Product:	Unknown	Toxicologically Synergistic Materials: N/A			
CARCINOGENICITYRI	EPRODUCTIVE EFFECTS TERAT	OGENICITYMUTAG	ENICITY	None kn	iown
SECTION VII-PREVENTIV	E MEASURES				
Personal Protective Equipment	nt to be used:				
Gloves(specify):	Not required in normal use	Eye (specify):	Safety glass	ses	
Respiratory(specify):	Not required in normal use	Clothing:	Not normal	lly require	ed
Respiratory Protection:	If used indoors or on a continuous ba	sis, use of NIOSH approv	ved cartridge type	respirato	r is recommended
Engineering Controls:	Local ventilation (mechanical if used	indoors on a continuous	basis)		
Leak and Spill Procedure:	Remove sources of ignition. Use an im			tools. Avo	id breathing fumes
	Ventilate area. Prevent product liquid from entering sewage drain.				
Waste Disposal:	Do not puncture or incinerate contain	ners, even if empty. Dispo	ose in accordance	with local	
	provincial and federal regulations.				
Storage Requirements:	Store in a cool, well ventilated area w	here temperature not to	exceed 50 oC.		
II	Handla mith some haar arrest farm ha		- 9		
Handling Procedures and	Handle with care, keep away form he Keep away from children. Do not ing		n Hame.		
Equipment: NPFA20B/CNFC3.3.5	Level 3	est of inflate.			
TDG Classification:					
WHMIS Classification:	Consumer Commodity. Consumer Commodity.   Consumer Commodity. Complies with CCCR 2001				
WIIMIS Classification.	consumer commonty.	Compiles with CCV	CK 2001		
SECTION VIII-FIRST AID N	MEASURES				
	<u>MEASCINES</u>				
Eve:	Flush with water for at least 15 minu	tes. Consult a physician i	mmediately.		
Skin:	Flush with water for at least 15 minutes. Consult a physician immediately. Wash with clean soapy water for 5 - 10 minutes, consult doctor if irritation or rash persist.				
Inhalation	Move patient to fresh air and restore breathing if required. See doctor if discomfort persist.				
Ingestion:	Move patient to fresh air and restore breathing if required. See doctor if discomfort persist. DO NOT INDUCE VOMITING, Seek medical help immediately.				
8		•	•		
SECTION IX-PREPARATIO	<u> N DATE OF M.S.D.S.</u>				
Additional Info/Comments:		Source Used: Supp	lier's Data		
Phone Number:	(905) 793-4311	Prepared By: Qua	ality Control Labo	oratory	
Date Prepared:	January 2, 2015.	Klee	en-Flo Tumbler In	dustries I	imited
THIS SH	EET SUPERSEDES ANY OTHER M.	S.D.S. PREVIOUSLY P	REPARED		