

SECTION I-MATERIAL IDENTIFICATION AND USE

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
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-rab	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	
Hazardous Decomposition Products:	Hydrocarbon fumes, smoke, carbon monoxide where combustion incomplete	

N/E: not established

N.Ap.:not applicable

N/Av.: not available

SECTION VI-TOXICOLOGICAL PROPERTIES OF PRODUCT

Routes of Entry: All Routes	--SKIN CONTACT --SKIN ABSORPTION --EYE CONTACT --INHALATION --INGESTION		
Effects of Acute Exposure:	May cause headache, nausea, dizziness, irritation to skin and eyes.		
Effects of Chronic Exposure:	Dizziness, nausea, irritation to skin and eyes. Solvent may cause defatting dermatitis		
	Heptane contains trace amount of benzene		
LD 50 of Product:	N/E	LC 50 of Product:	N/E
Irritancy of Product:	Skin and eye irritant	Exposure limits of product:	Section II
Sensitization of Product:	Unknown	Toxicologically Synergistic Materials:	N/A
--CARCINOGENICITY --REPRODUCTIVE EFFECTS --TERATOGENICITY --MUTAGENICITY			None known

SECTION VII-PREVENTIVE MEASURES

Personal Protective Equipment to be used:			
Gloves(specify):	Not required in normal use	Eye (specify):	Safety glasses
Respiratory(specify):	Not required in normal use	Clothing:	Not normally required
Respiratory Protection:	If used indoors or on a continuous basis, use of NIOSH approved cartridge type respirator is recommended		
Engineering Controls:	Local ventilation (mechanical if used indoors on a continuous basis)		
Leak and Spill Procedure:	Remove sources of ignition. Use an inert absorbent material and non-sparkling tools. Avoid breathing fumes		
	Ventilate area. Prevent product liquid from entering sewage drain.		
Waste Disposal:	Do not puncture or incinerate containers, even if empty. Dispose in accordance with local provincial and federal regulations.		
Storage Requirements:	Store in a cool, well ventilated area where temperature not to exceed 50 oC.		
Handling Procedures and Equipment:	Handle with care, keep away form heat, source of ignition, open flame.		
	Keep away from children. Do not ingest or inhale.		
NPFA20B/CNFC3.3.5	Level 3		
TDG Classification:	Consumer Commodity.		
WHMIS Classification:	Consumer Commodity.	Complies with CCCR 2001	

SECTION VIII-FIRST AID MEASURES

Eye:	Flush with water for at least 15 minutes. Consult a physician immediately.
Skin:	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:	DO NOT INDUCE VOMITING, Seek medical help immediately.

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 2, 2012.	Kleen-Flo Tumbler Industries Limited

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