

(11109)

SECTION I-MATERIAL IDENTIFICATION AND USE

Material Name/Identifier:	TUMBLER SPRAY UNDERCOATING	Stock No.	2783
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:	Undercoating spray
Material Use:	Car Undercoating, Aerosol	Molecular Weight:	Mixture (N.Ap.)

SECTION II-HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredients	C.A.S.	Approximate % Concentration	LD50 Species & Route	LC50 Species & Route
Toluene	108-88-3	30 - 60	5000 mg/kg rat-oral	8000 ppm (4 hr.) rat-inh.
Naphtha, Petroleum	64742-89-8	10-30	N/Av.	N/Av.
Carbon Black	1333-86-4	1 - 5	>10000 mg/kg rat-oral	N/Av.
Methanol	67-56-1	0.1 - 1.0	5628mg/kg rat-oral	64000ppm (4hr) inhal-rat
Isobutane	75-28-5	5-10	N/Av.	142500ppm (2hr) mouse-inh.
Propane	74-98-6	10-30	>5000mg/kg dermal-rabbi	N/Av.

SECTION III-PHYSICAL DATA FOR MATERIAL

Physical State:	Liquid	Odour/Appearance:	Hydrocarbon odour/black liquid
Specific Gravity:	0.93	Odour Threshold(p.p.m.):	N/E
Boiling Point:	64 - 200°C	Evaporation Rate:	Greater Than 1
Freezing Point:	N/Av.	Solubility in Water: % w/w	None
% Volatile(by volume):	N/Av.	Vapour Pressure: (Aerosol)	50 - 60 psig
Vapour Density(Air=1):	>1	Coefficient of Water/Oil Distribut:	N/Av.
pH	N/Av.		

SECTION IV-FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammability Yes/No	Yes	If yes under which conditions?:	excessive heat, open flame or spark
Auto Ignition Temperature	480°C	Means of Extinction:	carbon dioxide, dry chemical, foam
Flashpoint and Method:	4°C TCC (Lowest known of Toluene)	Hazardous Combustion Products:	Hydrocarbon fumes, smoke
			Carbon monoxide where combustion incomplete.
Upper Flammable limit (%vol)	7	Lower Flammable Limit(% by volume):	0.9
Explosion Data:	Sensitivity to Mech. Impact: N. Ap	Sensitivity to Static Discharge:	N.Ap.

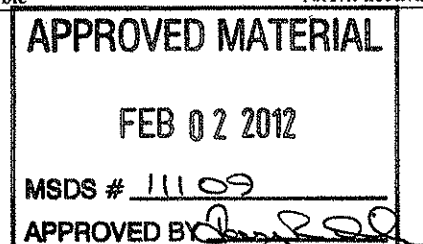
SECTION V-REACTIVITY DATA

Chemical Stability Yes/No:	Yes	If NO under which conditions?	N.Ap.
Incompatibility to Other Substances Yes/No:	Yes	If so which ones?	Strong oxidizing agents
Reactivity and under what conditions?	Hot surfaces, open flame, fire		
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

Route of Entry: ALL Routes	--SKIN CONTACT --SKIN ABSORPTION --EYE CONTACT --INHALATION --INGESTION		
Effects of Acute Exposure:	Dizziness, vomiting, nausea, headache, cough, pulmonary irritation, edema, weakness, eye, skin irritation.		
Effects of Chronic Exposure:	Long period of exposure to skin may cause defatting dermatitis.		
LD 50 of Product:	N/E	LC 50 of Product:	N/E
Irritancy of Product:	Skin and eye irritant	Exposure Limits of Product:	N/E
Sensitization of Product:	N/E	Toxicologically Synergistic Materials:	N/E
--CARCINOGENICITY --REPRODUCTIVE EFFECTS --TERATOGENICITY --MUTAGENICITY			none known

SECTION VII-PREVENTIVE MEASURES

Personal Protective Equipment to be used:

Gloves(specify):	Chemical resistant gloves	Eye(specify):	Safety Goggles
Respiratory(specify):	NIOSH approved organic vapor mask.	Clothing:	Not required during normal use
Respiratory Protection:	If used indoors or on a continuous basis, use of NIOSH approved cartridge type respirator is recommended		
Engineering Controls:	Local and mechanical ventilation		
Leak and Spill Procedure:	Use absorbent material, spark free tools		
Waste Disposal:	Standard methods as approved in your area by local govt. regulation		
Storage Requirements:	Store at temp. below 48.9°C. Keep container closed when not in use.		
Handling Procedures and	Handle all chemicals with care. Keep away from children. Do not puncture or incinerate.		
Equipment:	Avoid contact with skin, eyes. Do not inhale or ingets.		
DSL Listing	All components are listed in the inventory.		
NFPA30B/CNFC 3.3.5	Level 2		
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. Seek medical help immediately if irritation persists.
Skin:	Flush immediately and thoroughly with soap and water. Contact doctor if rash, irritation persist.
Inhalation:	Move patient to fresh air and restore breathing if required. See doctor if discomfort persist.
Ingestion:	DO NOT INDUCE VOMITING. Get medical attention 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 16, 2012.	Kleen-Flo Tumbler Industries Limited

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