

KLEEN-FLO TUMBLER INDUSTRIES LIMITED			MATERIAL SAFETY DATA SHEET		PAGE 1
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-rabbit	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	

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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 ingests.			
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:	Janaury 2, 2015.	Kleen-Flo Tumbler Industries Limited		
THIS SHEET SUPERSEDES ANY OTHER M.S.D.S. PREVIOUSLY PREPARED				
N/E: not established		N.Ap.: not applicable		N/Av.: not available