

KLEEN-FLO TUMBLER INDUSTRIES LIMITED			MATERIAL SAFETY DATA SHEET		PAGE 1
<u>SECTION I-MATERIAL IDENTIFICATION AND USE</u>					
Material Name/Identifier:	Soya Kleen Engine Shampoo	Stock No.	823		
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.Ap.(mixture)	Chemical Family:	N.Ap.(mixture)		
Chemical Formula:	N.Ap.(mixture)	Trade Names & Synonyms:	Soya Kleen		
Material Use:	Engine Degreaser	Molecular Weight:	N.Ap.(mixture)		
<u>SECTION II-HAZARDOUS INGREDIENTS OF MATERIAL</u>					
Hazardous Ingredients	C.A.S.	Approximate Concentration	LD50 Species & Route	LC50 Species & Route	
Methyl Ester, Soyabean oil	67784-80-9	10-30%	5000-15000mg/kg rat	N/Av.	
Lactic Acid Ethyl Ester	687-47-8	1-5%	N/Av.	N/Av.	
Hydrotreated light Distillate	64742-47-8	10-30%	>5000mg/kg Rat-Oral	1400ppm (4hr) rat-inh.	
Alcohol Ethoxylate	68439-46-3	5 - 10 %	1400 mg/kg rat-oral	N/Av.	
Liquid Petroleum Gas	68476-85-7	5 - 10 %	N/Av.	N/Av.	
<u>SECTION III-PHYSICAL DATA FOR MATERIAL</u>					
Physical State:	Aerosol	Odour/Appearance:	Charasteristic odour/white foamy liquid		
Specific Gravity (liquid):	0.88	Odour Threshold(p.p.m.):	N/Av.		
Boiling Point(Concentrate):	300-700°F	Evaporation Rate:	>1 (BA=1)		
Freezing Point:	0 °C	Solubility in Water:	partly soluble		
% Volatile(by volume):	N/Av.	Vapour Pressure:	50 to 60 psig		
Vapour Density(Air=1):	>1	Coefficient of Water/Oil Distribut:	N/Av.		
pH:	N/Av.				
<u>SECTION IV-FIRE AND EXPLOSION HAZARD OF MATERIAL</u>					
Flammability Yes/No	No	If yes under which conditions:	N.Ap.		
Auto Ignition Temperature:	N/Av.	Means of Extinction:	Carbon dioxide, Foam and Dry Chemical		
Flash Point, oC	N/Av.	Hazardous Combustion Products:	Oxide of carbon, Carbon monoxide		
Upper Flammable limit (%vol)	N/Av.	Lower Flammable Limit (% by volume):	N/Av.		
Explosion Data:	Sensitivity to Mechanical Impact: No	Sensitivity to Static Discharge:	No		
Although this product is classified as nonflammable but it does contain some flammable ingredient and therefore should not be used or stored near any open flame or ignition source. Content under pressure, keep temperature of can below 40°C to prevent bursting.					
Exposure to temp. above 40°C may cause can to burst with violance and cause injury.					
<u>SECTION V-REACTIVITY DATA</u>					
Chemical Stability Yes/No:	Yes	If NO under which conditions?	N.Ap.		
Incompatibility to Other Substances Yes/No:	Yes	If so which ones?	Strong Oxidizer, Amine.		
Reactivity and under what conditions?	None				
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide				
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:	Prolonged skin contact may cause skin irritation & defatting. May cause moderate eye irritation. May cause nose and throat throat irritation. May cause nervous system depression charactrized by the following progressive steps: Headache, dizziness, nuasea, staggering gait, confusion, unconsciousness.				
Effects of Chronic Exposure:	Not known				
LD 50 of Product:	N/E	LC 50 of Product:		N/E	
Irritancy of Product:	N/E	Exposure Limits of Product:		N/E	
Sensitization of Product:	N/E	Toxicologically Synergistic Materials:		N/E	
--CARCINOGENICITY --REPRODUCTIVE EFFECTS --TERATOGENICITY --MUTAGENICITY				None known	
This product does not contain any chemical listed as Carcinogenic or potential Carcinogenic under National Toxicology Program, IARC & OSHA					
SECTION VII-PREVENTIVE MEASURES					
Personal Protective Equipment to be used:					
Gloves(specify):	Solvent resistant gloves		Eye (specify):	Safety Glasses	
Respiratory(specify):	Not required (In normal use)		Clothing:	Not required	
Respiratory Protection:	If used indoors or on a continuous basis, use of cartridge type (NIOSH approved) respirator is recommended				
Engineering Controls:	Local or mechanical exhaust ventilation system required..				
Leak and Spill Procedure:	Contain and collect spilled material, use inert absorbant material. Prevent from entering waterways.				
Waste Disposal:	Dispose of according to local and federal government environmental regulation.				
Storage Requirements:	Do not store above 41°C. Keep away from excessive heat, spark, open flame.				
Handling Procedures and Equipment	Handle with care. Avoid eye, skin contact. Do not inhale or ingest. Keep away from children.				
DSL listing	Contents under pressure. Keep away from heat, spark, flame and other sources of ignition				
NFPA/CNFC rating	Level 1				
TDG Classification:	Consumer Commodity				
WHMIS Classification:	Consumer Commodity				
SECTION VIII-FIRST AID MEASURES					
Eye:	Flush immediately with water for at least 15 minutes. Seek immediate medical help if discomfort 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 VOMITNG. Rinse mouth with a glass of water. Seek immediate medical attention.				
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	