

KLEEN-FLO TUMBLER INDUSTRIES LIMITED			MATERIAL SAFETY DATA SHEET		PAGE 1
SECTION I-MATERIAL IDENTIFICATION AND USE					
Material Name/Identifier:	Foamy-Kleen	Stock No.	825		
Manufacturer's Name:	Kleen-Flo Tumbler Industries Ltd	Street Address:	75 Advance Blvd.		
City:	Brampton	Province:	Ontario		
Postal Code:	L6T 4N1	Emergency Phone No.	CANUTEC:- 613-996-6666 (24HR)		
Chemical Name:	Hydrocarbon	Chemical Family:	Hydrocarbon Solvents		
Chemical Formula:	N/Ap (Mixture)	Trade Names & Synonyms:	Foamy Kleen		
Material Use:	Engine Degreaser	Molecular Weight:	N/Ap (mixture)		
SECTION II-HAZARDOUS INGREDIENTS OF MATERIAL					
Hazardous Ingredients	C.A.S.	Approximate Concentration%wt.	LD50 Species & Route	LC50 Species & Route	
Mineral Spirits	64742-47-8	5-10	>5000 mg/kg rat-oral	1400ppm (4hr) rat-inh.	
Xylene	1330-20-7	10-30	4.3 g/kg rat-oral	6350 ppm (4hr) rat-inh	
Kerosene	64742-81-0	1-5	28 g/kg oral rabbit	N/Av.	
Ethyl benzene	100-41-4	3-7	5460mg/kg rat-oral	N/Av.	
Isobutane	75-28-5	5-10	N/Ap.	142500ppm (2hrs) inh-mouse	
Propane	74-98-6	3-7	>5000mg/kg dermal-rabbit	N/Av.	
SECTION III-PHYSICAL DATA FOR MATERIAL					
Physical State:	Aerosol	Odour/Appearance:	Hydrocarbon odour/ white emulsion		
Specific Gravity:	0.91-0.95	Odour Threshold(p.p.m.):	N/E		
Boiling Point:	93 - 178 °C	Evaporation Rate (B.A.=1):	<1		
Freezing Point:	N/E	Solubility in Water:	N/Av.		
% Volatile(by volume):	N/E	Vapour Pressure:	40-45 psig		
Vapour Density(Air=1):	> 1	Coefficient of Water/Oil Distribut:	N/E		
pH	9-10				
SECTION IV-FIRE AND EXPLOSION HAZARD OF MATERIAL					
Flammability Yes/No	Yes	If yes under which conditions?: Excessive Heat, spark, open flame			
Auto Ignition Temperature:	527 °C	Means of Extinction: carbon dioxide, dry chemical, foam			
Flashpoint and Method:	>24 °C	Hazardous Combustion Prod.: Hydrocarbon fumes and			
Flame Extension:	> 45 cm but <100cm	smoke. Carbon monoxide where combustion is incomplete			
Upper Flammable limit, %vol	7	Lower Flammable Limit(% by volume): 1.0			
Explosion Data:	Sensitivity to Mechanical Impact: N/Ap	Sensitivity to Static Discharge:		N/Ap	
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 Oxidizers	
Reactivity and under what conditions?	Storage in hot, unventilated areas,				
Hazardous Decomposition Products:	Hydrocarbon fumes & smoke. Carbon monoxide where combustion is incomplete.				
N/E: not established					
N/Ap.: not applicable					
N/Av.: not available					

Material Name/Identifier: Foamy-Kleen		Stock No. 825	PAGE 2
SECTION VI-TOXICOLOGICAL PROPERTIES OF PRODUCT			
Route of Entry: ALL Routes	--SKIN CONTACT --SKIN ABSORPTION --EYE CONTACT --INHALATION --INGESTION		
Effects of Acute Exposure:	May casue Dizziness, nausea, vomiting headache, weakness, eye/skin irritation		
Effects of Chronic Exposure:	Solvents may cause defatting dermatitis.		
LD 50 of Product:	N/E	LC 50 of Product:	N/E
Irritancy of Product:	Eye & Skin Irritant	Exposure Limits of Prod:	100 ppm
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 Glasses
Respiratory (specify):	Organic vapor mask	Clothing:	Not Required
Respiratory Protection:	If used indoors or on a continuous basis, use of NIOSH approved cartridge type respirator is recommended		
Engineering Controls:	Local or mechanical ventilation is recommended.		
Leak and Spill Procedure:	Remove all sources of ignition. Use inert absorbent material, non sparking tools. Avoid breathing fumes. Ventilate area. Prevent from entering a watercourse.		
Waste Disposal:	Standard methods as approved in your region by local govt. authority.		
Storage Requirements:	Store in a cool, well ventilated area where temperature not exceeding 50°C		
Handling Procedures and Equipment:	Do not puncture or incinerate containers even when empty. Avoid contact with skin &eyes.		
	Do not inhale or ingest. Keep container closed when not in use. Keep away from children.		
	DO NOT SPRAY ON HOT ENGINE SURFACE. IT CAN CATCH FIRE.		
DSL listing	all ingredients are listed		
NFPA30B/CNFC3.3.5	Level 1		
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:	Seek immediate medical attention. DO NOT INDUCE VOMITING.		
SECTION IX-PREPARATION DATE OF M.S.D.S.			
Additional Info/Comments:		Sources 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/Av.: not available	