

KLEEN-FLO TUMBLER INDUSTRIES LIMITED			MATERIAL SAFETY DATA SHEET		PAGE 1
<u>SECTION I-MATERIAL IDENTIFICATION AND USE</u>					
Material Name/Identifier:	PWD NON-FLAMMABLE WITH PTFE	Stock No.	661		
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:	PWD		
Material Use:	lubricant (aerosol)	Molecular Weight:	N.Ap. (mixture)		
<u>SECTION II-HAZARDOUS INGREDIENTS OF MATERIAL</u>					
Hazardous Ingredients	C.A.S.	Approximate Concentration%wt.	LD50 Species & Route	LC50 Species & Route	
Petroleum naphthenic oil	64742-52-5	1 - 5 %	5000mg/kg rat-oral	N/Av.	
Petrolatum	8009-03-8	<1 5%	N/Av.	N/Av.	
Perchloroethylene	127-18-4	60-100%	2629 mg/kg rat-oral	5200 ppm(4hr.) Inhal-Mouse	
Carbon dioxide	124-38-9	1-5%	N/Av.	N/Av.	
<u>SECTION III-PHYSICAL DATA FOR MATERIAL</u>					
Physical State:	Aerosol	Odour/Appearance:	etheral odor, amber oily liquid		
Specific Gravity:	1.41	Odour Threshold(p.p.m.):	N/Av.		
Boiling Point:	121°C	Evaporation Rate:	>1		
Freezing Point:	N/E	Solubility in Water:	None		
% Volatile(by volume):	N/E	Vapour Pressure (psig):	60-70		
Vapour Density(Air=1):	> 1	Coefficient of Water/Oil Distribut:	N/Av.		
pH:	N.Ap.				
<u>SECTION IV-FIRE AND EXPLOSION HAZARD OF MATERIAL</u>					
Flammability Yes/No	Non--flammable	If yes under which conditions?:	N.Ap.		
Auto Ignition Temperature:	N/E	Means of Extinction:	Carbon dioxide, dry chemical, foam		
Flashpoint and Method:	None	Hazardous Combustion Products:	Possible phosgene		
Aerosol flame projection:	N/Av.		chlorine gas, fumes, smoke, Crbon dioxide, carbon monoxide		
Upper Flammable limit (%vol)	N/E	Lower Flammable Limit (% by volume):	N/E		
Explosion Data:	Sensitivity to Mechanical Impact: No	Sensitivity to Static Discharge:	No		
<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 oxidizing agents		
Reactivity and under what conditions?	Excessive heat, open flame, spark				
Hazardous Decomposition Products:	Possible phosgene, chlorine, carbon dioxide, Carbon monoxide, fumes, smoke				
N/E: not established					
N.Ap.:not applicable		N/Av.: not available			

Material Name/Identifier: PWD NON-FLAMMABLE WITH PTFE		Stock No. 661		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:		Dizziness, nausea vomiting. Irritation to eyes, skin.		
Effects of Chronic Exposure:		Prolonged exposure to high levels may bring on or aggravate existing liver and kidney damage due to amount of perchloroethylene content.		
LD 50 of Product:	N/E	LC 50 of Product:	N/E	
Irritancy of Product:	eye irritant	Exposure Limits of Product: ACGIH TWA : Perchloroethylene 25 ppm		
Sensitization of Product:	N/Av.	Toxicologically Synergistic Materials:		None known
--CARCINOGENICITY --REPRODUCTIVE EFFECTS --TERATOGENICITY --MUTAGENICITY				
*Perchloroethylene is listed as carcinogenic by IARC on animal tests.				
SECTION VII-PREVENTIVE MEASURES				
Personal Protective Equipment to be used:				
Gloves(specify):	Chemical resistant gloves.	Eye (specify):	Safety goggles.	
Respiratory(specify):	use NIOSH organic vapor mask	Clothing:	Not required	
Respiratory Protection:	If used indoors or on a continuous basis use NIOSH approved of cartridge type respirator is recommended			
Engineering Controls:	Local or mechanical ventilation			
Leak and Spill Procedure:	Use inert absorbents, dispose of through a registered waste management firm. As per local government regulation.			
Waste Disposal:	Follow local government regulation.			
Storage Requirements:	Store in a cool, dry well-ventilated area, away from incompatibles and heat sources.			
Handling Procedures and Equipment:	Keep away from heat, sparks and flame. Avoid prolonged inhalation. Keep away from children.			
DSL Listing	All components are listed in the inventory.			
NFPA30B/CNFC 3.3.5	Level 1			
TDG Classification:	Consumer Commodity			
WHMIS Classification:	Consumer Commodity	Complies with CCCR		
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 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 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