

KLEEN-FLO TUMBLER INDUSTRIES LIMITED		MATERIAL SAFETY DATA SHEET		PAGE 1
SECTION I-MATERIAL IDENTIFICATION AND USE				
Material Name/Identifier:	TEF-Lube 2000	Stock No.	813	
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:	TEF-Lube 2000	
Material Use:	Lubricating Oil (aerosol)	Molecular Weight:	N/Ap (Mixture)	
SECTION II-HAZARDOUS INGREDIENTS OF MATERIAL				
Hazardous Ingredients	C.A.S.	Approximate Concentration	LD50 Species & Route	LC50 Species & Route
Lt.aliphatic hydrocarbon solven	64742-89-8	1 - 5	N/Av.	N/Av.
Heptane	142-82-5	30 -60	N/Av.	N/Av.
2-Methyl Cyclohexane	108-87-2	1 - 5	N/Av.	N/Av.
Naphthenic oil	64742-63-8	1 - 5	N/Av.	N/Av.
Petrolatum	8009-03-8	5- 10	N/Av.	N/E
Butane	106-97-8	10-30%	N/Av.	142,500 ppm (4hr) rat-inhal
Propane	74-98-6	5-10%	>5000mg/kg dermal-rabbit	N/E
SECTION III-PHYSICAL DATA FOR MATERIAL				
Physical State:	Oily liquid	Odour/Appearance:	Solvent Odour, Clear Amber Oily liquid	
Specific Gravity:	0.69	Odour Threshold(p.p.m.):	N/E	
Boiling Point:	-18 to 81oC	Evaporation Rate (B.A.=1):	> 1	
Freezing Point:	N/E	Solubility in Water:	None	
% Volatile(by volume):	78%	Vapour Pressure (mm) Hg:	N/E	
Vapour Density(Air=1):	>1	Coefficient of Water/Oil Distribut:	N/E	
pH	N.Ap.			
SECTION IV-FIRE AND EXPLOSION HAZARD OF MATERIAL				
Flammability Yes/No	Extremely flammable Spray	If yes under which conditions?:	open flame, sparks, fire	
Auto Ignition Temperature:	N/E	Means of Extinction:	Water fog, dry chemical, carbon dioxide, foam	
Flashpoint and Method:	< - 18 °c Lowest known of Propellant	Hazardous Combustion Product.:	Carbon monoxide, carbon dioxide, black fume and smoke.	
Upper Flammable limit	9.5 %vol	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?	N.Ap.	
Incompatibility to Other Substances Yes/No:	Yes	If so which ones?	Strong oxidizers,	
Reactivity and under what conditions?	N/Av.			
Hazardous Decomposition Products:	Carbon dioxide, carbon monoxide, hydrocarbon fumes, smoke.			
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:	--SKIN CONTACT -x-SKIN ABSORPTION --EYE CONTACT -x-INHALATION -x-INGESTION			
Effects of Acute Exposure:	May cause skin, eye, respiratory system irritation, dizziness, nausea, nervous system depression.			
	Redness, itching, burning sensation may indicate excessive exposure to eyes or skin.			
Effects of Chronic Exposure:	Extreme overexposure may result in unconsciousness and possibly death.			
	Rports have associated repeated, prolonged overexposure to solvents with permanent brain and nervous system damage.			
LD 50 of Product:	N/E	LC 50 of Product:	N/E	
Irritancy of Product:	May cause severe eye irrit. & skin rash	Exposure Limits of Product:	N/E	
Sensitization of Product:	N/E	Toxicologically Synergistic Materials:	N/Av.	
--CARCINOGENICITY --REPRODUCTIVE EFFECTS --TERATOGENICITY --MUTAGENICITY			None Known	
No ingredient in this product is an IARC, NTP OR OSHA listed carcinogen.				
SECTION VII-PREVENTIVE MEASURES				
Personal Protective Equipment to be used:				
Gloves(specify):	Chemical resistant gloves	Eye(specify):	Safety goggles	
Respiratory (specify):	NOISH approved Organic Vapor mask	Clothing:	Apron	
Respiratory Protection:	If used indoors or on a continuous basis, use of NIOSH approved cartridge type respirator is recommended			
Engineering Controls:	Local or mechanical exhaust ventilation is required.			
Leak and Spill Procedure:	Contain& Collect. Use inert absorbent to soak up material. Prevent from entering waterways.			
	Remove all ignition sources, use non sparking tools.			
Waste Disposal:	Dispose at approved waste disposal service site as per local, provincial or federal regulation.			
Storage Requirements:	Keep away from heat, sparks or open flame. Store at temperature below 40°C. Keep container closed when not in use.			
Handling Procedures and	Avoid skin, eye contact. Do not inhale or ingest. Do not puncture or incinerate container even when it's empty.			
Equipment:	Handle with care. Keep away from children.			
DSL listing	All components are listed on the inventory.			
NFPA30B/CNFC 3.3.5	Level 2			
TDG Classification:	Classified as "Consumer Commodity"			
WHMIS Classification:	Complies with CCCR-2001 Regulation			
SECTION VIII-FIRST AID MEASURES				
Eye:	Wash with water for at least 15 minutes. Seek immediate medical help if discomfort persists.			
Skin:	Wash with soap & water. Remove severely contaminated clothes. If rash persists, seek med. help.			
Inhalation:	Move patient to fresh air and restore breathing if required. See doctor if discomfort persist.			
Ingestion:	DO NOT INDUCE VOMITING. Get prompt medical attention.			
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.Ap.: not applicable		N/Av.: not available