KLEEN-FLO TUMBLER INDUSTRIES LIMITED			MATERIAL SAFETY DATA SHEET PAGE 1				
SECTION I-MATERIAL IDEN	TIFICATION AND	USE					
Material Name/Identifier:	Lock- De-Icer		Stock No.		615		
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/A (mixture)		Chemical Family:		N/A		
Chemical Formula:	N/A (Mixture)		Trade Names & Synonyms:		None		
Material Use:	De-icer		Molecular Weight:		N/A (Mixture)		
SECTION II-HAZARDOUS IN	GREDIENTS OF M	ATERIAL					
Hazardous		Approximate	LD50			LC50	
Ingredients	C.A.S.	Concentration	Species &		Species & Route		
Isopropyl Alcohol	67-63-0	60-100%	•			(4hr) rat-inh.	
Naphthenic Oil	64742-53-6	7-13%	5000mg/kg rat-oral N/Av.			()	
SECTION III-PHYSICAL DAT	[TA FOR MATERIAL	<u> </u> <u>L</u>					
Physical State:	Liquid	Odour/Appearance:		Clear, pale,yellow liquid			
Specific Gravity:	0.8	Odour Threshold(p.p.m.):		N/E			
Boiling Point:	82°C	Evaporation Rate:		N/E			
Freezing Point:	N/E	Solubility in Water:		Partly Soluble			
% Volatile(by volume):	N/E	Vapour Pressure(mm)	Hg:	N/Av.			
Vapour Density(Air=1):	>1	Coefficient of Water/Oil Distribut		N/E			
рН	N/Av.						
SECTION IV-FIRE AND EXP		OF MATERIAL	If was under	which conditi	one?. Onen f	James and growles heat	
Flammability Yes/No	Yes		If yes under which conditions?: Open flames and sparks, heat				
Auto Ignition Temperature: Flashpoint and Method:	N/E 15°C TCC		Means of Extinction: Dry chemical; Carbon dioixde, Foam Hazardous Combustion Products: Carbon dioxide and				
indiposit unu riccioui		Carbon mono					
Upper Flammable limit (% vol)	12		Lower Flammable Limit (% by volume): 1				
Explosion Data:	Sensitivity to Mechanical Impact: N/Av.		Sensitivity to Static Discharge: N/Av.				
	<u> </u>		100000000000000000000000000000000000000				
SECTION V-REACTIVITY DA	ATA						
Chemical Stability Yes/No:		Yes If NO under which conditions?:			tions?:		
Incompatibility to Other Substances Yes/No:		Yes If so which ones?: Strong oxidizing agents, May react with alumin					
Reactivity and under what conditions?		Normally stable, but can become unstable at elevated temperatures & pressure					
Hazardous Decomposition Proc	Carbon monoxide, carbon dioxide produced upon combustion.						
N/E / / LP -		3 7.4 3 7.	1. 1.			N/A	
N/E: not established		N.Ap.: Not a	ррисавіе			N/Av.: not available	

Material Name/Identifier:	Lock- De-Icer	Stock No. 615	PAGE 2					
SECTION VI-TOXICOLOGIC	CAL PROPERTIES OF PRODUCT							
Route of Entry: ALL Routes	SKIN CONTACTSKIN ABSORPTIONEYE CONTACTINHALATIONINGESTION							
Effects of Acute Exposure:	Eye, Skin irritation. May cause headache, dizziness, nausea, drowsiness and central nervous system depression.							
Effects of Chronic Exposure:	None known							
LD 50 of Product:	N/E	LC 50 of Product:	N/E					
Irritancy of Product:	Eye, skin irritant	Exposure Limits of Product: IPA 400 ppm STEL (ACGIH)						
Sensitization of Product:	N/E	Toxicologically Synergistic Materials:	N/E					
CARCINOGENICITYRE	PRODUCTIVE EFFECTSTERATOGENI	CITYMUTAGENICITY	none known					
SECTION VII-PREVENTIVE	MEASURES							
Personal Protective Equipmen	nt to be used:							
Gloves(specify):	Nitrile, Viton, Chemical resistant gloves	Nitrile, Viton, Chemical resistant gloves Eye(specify): Safety Glasses						
Respiratory(specify):	Not required during normal use	Clothing: Not requir	ed					
Respiratory Protection:	If used indoors or on a continuous basis, use of NIOSH approved cartridge type respirator is recommended							
Engineering Controls:	Local ventilation	Local ventilation						
Leak and Spill Procedure:	Use non-reactive absorbent material and non sparking tools to contain spills.							
Waste Disposal:	Incase of large spill use explosion proof and grounded equipments. Dispose of at an approved waste disposal facility. Or as per municipal or provincial regulation.							
waste Disposar.	Dispose of at an approved waste disposar i	acmey. Of as per mamerpar of provinca	ar regulation.					
Storage Requirements:	Keep in a cool well ventilated place. Keep away from heat, spark or flame							
Handling Procedures and	Handle with care. Keep away from children. Do not inhale or ingest.							
Equipment: DSL Listing								
TDG Classification:	All components are listed in the inventory. Consumer Commodity							
WHMIS Classification:	Consumer Commodity Complies with CCCR 2001							
SECTION VIII-FIRST AID M		, company						
Eye:	Flush with water for at least 15 minutes. Seek mediacl attention immediatelyif irritation persist.							
Skin:	Remove contaminated clothing. Wash with soap and water. See doctor if irritation persist.							
Inhalation:	Move patient to fresh air and restore breathing if required. Call a physician if discomfort persist.							
Ingestion:	DO NOT INDUCE VOMITING. Seek medical help immediately.							
SECTION IX-PREPARATIO	N DATE OF M.S.D.S.							
Additional Info/Comments:		Sources Used: Supplier's data						
Phone Number:	(905) 793-4311	Prepared By: Quality Control Labora	atory					
Date Prepared:	January 2, 2015	Kleen-Flo Tumbler In	ndustries Limited					
	THIS SHEET SUPERSEDES ANY OTHE	R M.S.D.S. PREVIOUSLY PREPARED)					
N/E: not established	N.Ap.: Not a		N/Av.: not available					
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