### KLEEN-FLO TUMBLER INDUSTRIES LIMITED

# MATERIAL SAFETY DATA SHEET

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# SECTION I-MATERIAL IDENTIFICATION AND USE

Material Name/Identifier:	Brake-In	Stock No.	333	
Manufacturer's Name:	Kleen-Flo Tumbler Industries Ltd	Street Address:	75 Advance Blvd.	
City:	Brampton	Province:	Ontario	
Postal Code:	L6T 4N1	<b>Emergency Phone #:</b>	CANUTEC:- 613-996-66666 (24HR)	
Chemical Name:	N/Ap.	Chemical Family:	hydrocarbons	
Chemical Formula:	N/Ap. (mixture)	Trade Names & Synonyms:	none	
Material Use:	brake disc/shoe coat	Molecular Weight:	N/Ap. (mixture)	

#### SECTION II-HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredients	C.A.S.	percent Conc % wt.	LD50 Species & Route	LC50 Species & Route
Amorphous silica	7631-86-9	1-5	N/Av.	N/Av.
Amor phous sinca	7031-80-9	1-5	1 <b>1</b> //A <b>V</b> .	IV/AV.
Propellant (butane)	106-97-8	30-60	N/Av.	520000 ppm, mouse-inhal.
Propellant (propane)	74-98-6	10 - 30	N/Av.	N/Av.
Petroleum distillates	64742-88-7	5 - 10	N/Av.	N/Av.

# SECTION III-PHYSICAL DATA FOR MATERIAL

Physical State:	aerosol	Odour/Appearance:	solvent like, Clear light grey color liquid
Specific Gravity:	0.62	Odour Threshold(p.p.m.):	N/E
Boiling Point:	-18 -201 °C	Evaporation Rate:	<1
Freezing Point:	N/E	Solubility in Water:	None
% Volatile(by volume):	N/E	Vapour Pressure:	N/E
Vapour Density(Air=1):	4.0	Coefficient of Water/Oil Distribut:	N/E
рН	N/Ap.		

# SECTION IV-FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammability Yes/No	Highly flammable	If yes under which conditions?: Open flame, spark, excessive heat		
Auto Ignition Temperature:	N/E	Means of Extinction: Water fog, dry Chemical		
Flashpoint :	-18 °C (Propelant)	Hazardous Combustion Products: Carbon dioxide		
Flame extension	>45 cm	Carbon monoxide, hydrocarbon fun		
Upper Flammable limit(%vol)	9.5	Lower Flammable Limit(% by volume): 1		
Explosion Data:	Sensitivity to Mechanical Impact: N.Ap	Sensitivity to Static Discharge: No		

# SECTION V-REACTIVITY DATA

Yes If so which ones? Stro	on Oxidizers	
Excessive heat, open flame, spark		
Hydrocarbon fumes and smoke, carbon monoxide where combustion is incomplete		
ł	Excessive heat, open flame, spark	

Material Name/Identifier:	Brake-In	Stock No.	333	3	PAGE	
SECTION VI-TOXICOLOGI	CAL PROPERTIES OF PRODUCT					
Route of Entry: ALL Routes	SKIN CONTACTSKIN ABSORPTION	-EYE CONTACTINHAI	LATION	INGESTIO	N	
Effects of Acute Exposure:	May cause Dizziness, nausea, eye and skin i	irritation	-		·	
Effects of Chronic Exposure:	Prolonged overexposure to solvent ingredie		s to the	liver and		
<b>*</b>	urinary system.	U U				
LD 50 of Product:	N/E	LC 50 of Product: N/E			N/E	
Irritancy of Product:	Skin and eye irritant	Exposure Limits of Product:			N/E	
Sensitization of Product:	N/E	Toxicologically Synergistic Materials:		als:	N/E	
CARCINOGENICITYRF	<b>EPRODUCTIVE EFFECTSTERATOGENIO</b>	CITY MUTAGENICITY		none known		
SECTION VII-PREVENTIVI	E MEASURES					
Denson of Ductosting Faminum	t to be used.					
Personal Protective Equipmer Gloves(specify):	chemical resistant gloves	Eye(specify):	Sofat-	glasses		
Respiratory(specify):		Organic vapor mask Clothing: Not required.   If used indoors or on a continuous basis, use of NIOSH approved cartridge type respirator is recommended				
Respiratory Protection:		e of NIOSH approved cartric	ige type	respirator is i	ecommended	
Engineering Controls:	Local or mechanical ventilation required					
Leak and Spill Procedure:	Use inert absorbent material to contain spil	* *		•		
Waste Disposal:	Do not puncture or incinerate, even when e		pal or pi	rovincial regul	ation.	
Storage Requirements:	Store in a cool, well ventilated area where t	•				
Handling Procedures and		Use with adequate ventilation. Contents under pressure. Keep away from heat, sparks, flame and				
Equipment:	sources of ignition. Keep away from childre					
TSCA/DSL	All ingredients in the product either are list	ted or exempted from listing of	on TSCA	A/DSL invento	ory.	
NPFA30B/CNFC 3.3.5	Level 3					
TDG Classification:	Consumer Commodity	Consumer Commodity				
WHMIS Classification:	Consumer Commodity	Complies with CCCR 2001	1			
SECTION VIII-FIRST AID N	<u>1EASURES</u>					
Eye:	Flush immediately with fresh water for at l	east 15 minutes. See doctor ir	nmedia	tely.		
Skin:	Wash with soap and water. See doctor if irritation persist.					
Inhalation:	Move patient to fresh air and restore breathing if required. Call a physician immediately if discomfort persist.					
Ingestion:	DO NOT INDUCE VOMITING. Seek med	ical help immediately.				
SECTION IX-PREPARATIO	N DATE OF M.S.D.S.					
Additional Info/Comments:		Source Used: Supplier's dat	ta			
Phone Number:	(905) 793-4311	Prepared By: Quality Control Laboratory				
Date Prepared:	January 2, 2015	Kleen-Flo	Tumble	er Industries L	imited	
N/E: not established	N.Ap.: not a	pplicable		N/Av.: not av	vailable	
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