

KLEEN-FLO TUMBLER INDUSTRIES LIMITED		MATERIAL SAFETY DATA SHEET		PAGE 1
<b>SECTION I-MATERIAL IDENTIFICATION AND USE</b>				
Material Name/Identifier:	Dot 5 Silicone Brake Fluid	Stock No.	535	
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:	Modified Polydimethyl Siloxane	Chemical Family:	Siloxane	
Chemical Formula:	N.Ap (Mixture)	Trade Names & Synonyms:	none	
Material Use:	Brake Fluid	Molecular Weight:	N.Ap	
<b>SECTION II-HAZARDOUS INGREDIENTS OF MATERIAL</b>				
Hazardous Ingredients	C.A.S.	Approximate Concentration% wt	LD50 Species & Route	LC50 Species & Route
Polydimethyl Siloxane	63148-62-9	60 - 100	64 g/kg rat-oral	N/Av.
Tributyl Phosphate	126-73-8	1-5	3000mg/kg mouse-oral	1300 mg/m3 mouse/1 hr.
<b>SECTION III-PHYSICAL DATA FOR MATERIAL</b>				
Physical State:	Liquid	Odour/Appearance:	Musty odour/clear purple liquid	
Specific Gravity:	0.95	Odour Threshold(p.p.m.):	N/Av.	
Boiling Point:	>40 °C	Evaporation Rate:	N/Av.	
Freezing Point:	N/Av.	Solubility in Water:	Insoluble	
% Volatile(by volume):	N/Av.	Vapour Pressure(mm)Hg:	N/Av.	
Vapour Density(Air=1):	N/E	Coefficient of Water/Oil Distribut:	N/Av.	
pH	N.Ap.			
<b>SECTION IV-FIRE AND EXPLOSION HAZARD OF MATERIAL</b>				
Flammability Yes/No	No	If yes under which conditions:	N.Ap.	
Auto Ignition Temperature:	N/Av.	Means of Extinction:	Carbon dioxide or dry chemical	
Flashpoint and Method:	101 °C TCC	Hazardous Combustion Products:	Carbon dioxide, Carbon monoxide	
			Nitrogen oxide, Silicone Dioxide, Formaldehyde, Metal oxides.	
Upper Flammable limit (%vol)	N/E	Lower Flammable Limit(% by volume):	N/E	
Explosion Data:	Sensitivity to Mechanical Impact: N.Ap	Sensitivity to Static Discharge:	N.Ap.	
<b>SECTION V-REACTIVITY DATA</b>				
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?	Hot surfaces, open flame, fire			
Hazardous Decomposition Products:	Carbon oxide, NOx, Silicone dioxide, Formaldyhide, Metal oxides			
N/E: not established				
N.Ap.: not applicable				
N/Av: not available				

<b>Material Name/Identifier:</b> Dot 5 Silicone Brake Fluid		<b>Stock No.</b> 535		<b>PAGE 2</b>
<b>SECTION VI-TOXICOLOGICAL PROPERTIES OF PRODUCT</b>				
<b>Route of Entry: ALL Routes</b>		--SKIN CONTACT --SKIN ABSORPTION --EYE CONTACT --INHALATION --INGESTION		
<b>Effects of Acute Exposure:</b>		Prolonged or repeated contact may cause discomfort and local redness on skin, eye irritation. Inhalation may cause pulmonary edema, Swallowing large amount may cause drowsiness.		
<b>Effects of Chronic Exposure:</b>		none known		
<b>LD 50 of Product:</b>		N/E	<b>LC 50 of Product:</b>	N/E
<b>Irritancy of Product:</b>		Skin, eye irritant	<b>Exposure Limits of Product:</b>	N/E
<b>Sensitization of Product:</b>		N/E	<b>Toxicologically Synergistic Materials:</b>	N/A
<b>--CARCINOGENICITY --REPRODUCTIVE EFFECTS --TERATOGENICITY --MUTAGENICITY</b>				None known
<b>SECTION VII-PREVENTIVE MEASURES</b>				
<b>Personal Protective Equipment to be used:</b>				
<b>Gloves(specify):</b>	nitrile or chemical resistant gloves	<b>Eye(specify):</b>	Safety Glasses	
<b>Respiratory(specify):</b>	Not required in normal use	<b>Clothing:</b>	canvas or plastic	
<b>Respiratory Protection:</b>	If used indoors or on a continuous basis, use of NIOSH approved respirator is recommended			
<b>Engineering Controls:</b>	Local and mechanical ventilation recommended.			
<b>Leak and Spill Procedure:</b>	Absorb with material such as sand, vermiculite. Collect and disposed according to local or provincial regulation.			
<b>Waste Disposal:</b>	Standard methods as approved in your area.			
<b>Storage Requirements:</b>	Store at room temperature. Keep container closed when not in use.			
<b>Handling Procedures and Equipment:</b>	Handle with care. Keep away from children. Do not inhale or ingest.			
<b>TDG Classification:</b>	Not Regulated			
<b>WHMIS Classification:</b>	Non controlled.			
<b>SECTION VIII-FIRST AID MEASURES</b>				
<b>Eye:</b>	Rinse thoroughly with water for 15 minutes. Consult physician.			
<b>Skin:</b>	Remove contaminated clothes. Wash with soapy water. Consult doctor if irritation persist.			
<b>Inhalation:</b>	Remove patient to fresh air and restore breathing if required seek medical help if discomfort persist.			
<b>Ingestion:</b>	DO NOT INDUCE VOMITING. Seek medical help immediately..			
<b>SECTION IX-PREPARATION DATE OF M.S.D.S.</b>				
<b>Additional Info/Comments:</b>		<b>Sources Used:</b> Supplier's data		
<b>Phone Number:</b>	(905) 793-4311	<b>Prepared By:</b> Quality Control Laboratory		
<b>Date Prepared:</b>	January 2, 2015	Kleen-Flo Tumbler Industries Limited		
<b>THIS SHEET SUPERSEDES ANY OTHER M.S.D.S. PREVIOUSLY PREPARED</b>				
N/Av.: not available		N/Ap.: not applicable		N/E: not established