

**SECTION I-MATERIAL IDENTIFICATION AND USE**

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

**SECTION II-HAZARDOUS INGREDIENTS OF MATERIAL**

Hazardous Ingredients	C.A.S.	Approximate Concentration% wt	LD50 Species & Route	LC50 Species & Route
Polydimethyl Siloxane	63148-62-9	85- 95	64 g/kg rat-oral	N/Av.
Tributyl Phosphate	126-73-8	1-5	3000mg/kg mouse-oral	1300 mg/m3 mouse/1 hr.

**SECTION III-PHYSICAL DATA FOR MATERIAL**

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.		

**SECTION IV-FIRE AND EXPLOSION HAZARD OF MATERIAL**

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.

**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?	Hot surfaces, open flame, fire		
Hazardous Decomposition Products:	Carbon oxide, NOx, Silicone dioxide, Formaldehyde, Metal oxides		

N/E: not established

N.Ap.: not applicable

N/Av: not available

**SECTION VI-TOXICOLOGICAL PROPERTIES OF PRODUCT**

Route of Entry: ALL Routes	--SKIN CONTACT --SKIN ABSORPTION --EYE CONTACT --INHALATION --INGESTION		
Effects of Acute Exposure:	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.		
Effects of Chronic Exposure:	none known		
LD 50 of Product:	N/E	LC 50 of Product:	N/E
Irritancy of Product:	Skin, eye irritant	Exposure Limits of Product:	N/E
Sensitization of Product:	N/E	Toxicologically Synergistic Materials:	N/A
--CARCINOGENICITY --REPRODUCTIVE EFFECTS --TERATOGENICITY --MUTAGENICITY			None known

**SECTION VII-PREVENTIVE MEASURES**

Personal Protective Equipment to be used:

Gloves(specify):	nitrile or chemical resistant gloves	Eye(specify):	Safety Glasses
Respiratory(specify):	Not required in normal use	Clothing:	canvas or plastic
Respiratory Protection:	If used indoors or on a continuous basis, use of NIOSH approved respirator is recommended		
Engineering Controls:	Local and mechanical ventilation recommended.		
Leak and Spill Procedure:	Absorb with material such as sand, vermiculite. Collect and disposed according to local or provincial regulation.		
Waste Disposal:	Standard methods as approved in your area.		
Storage Requirements:	Store at room temperature. Keep container closed when not in use.		
Handling Procedures and Equipment:	Handle with care. Keep away from children. Do not inhale or ingest.		
TDG Classification:	Not Regulated		
WHMIS Classification:	Non controlled.		

**SECTION VIII-FIRST AID MEASURES**

Eye:	Rinse thoroughly with water for 15 minutes. Consult physician.
Skin:	Remove contaminated clothes. Wash with soapy water. Consult doctor if irritation persist.
Inhalation:	Remove patient to fresh air and restore breathing if required seek medical help if discomfort persist.
Ingestion:	DO NOT INDUCE VOMITING. Seek medical help immediately..

**SECTION IX-PREPARATION DATE OF M.S.D.S.**

Additional Info/Comments:		Sources Used: Dow Corning's Technical Data
Phone Number:	(905) 793-4311	Prepared By: Quality Control Laboratory
Date Prepared:	January 2, 2012.	Kleen-Flo Tumbler Industries Limited

**THIS SHEET SUPERSEDES ANY OTHER M.S.D.S. PREVIOUSLY PREPARED**

N/Av.: not available

N/Ap.: not applicable

N/E: not established