

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 #:	(905) 793-4311
Chemical Name:	Modified Polydimethyl Siloxane	Chemical Family:	Siloxane
Chemical Formula:	N.Ap (Mixture)	Trade Names & Synonyms:	none
Material Use:	Coating Automotive Brake Fluid	Molecular Weight:	N.Ap

SECTION II-HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredients	C.A.S.	Approximate Concentration	LD50 Species & Route	LC50 Species & Route
Polydimethyl Siloxane	63148-62-9	80-95%	64 g/kg rat-oral	N/A
Tributyl Phosphate	126-73-8	1-5%	1189 mg/kg mouse	1300 mg/m3 mouse/1 hr.
Dimethyl Cyclosiloxane	69430-24-6	0.1-1.0 %		

SECTION III-PHYSICAL DATA FOR MATERIAL

Physical State:	Liquid	Odour/Appearance:	Musty odour/clear purple liquid
Specific Gravity:	0.9	Odour Threshold(p.p.m.):	N/A
Boiling Point:	260°C	Evaporation Rate:	N/A
Freezing Point:	< -40°C	Solubility in Water:	Insoluble
% Volatile(by volume):	N/A	Vapour Pressure(mm)Hg:	>1
Vapour Density(Air=1):	N/E	Coefficient of Water/Oil Distribut:	N/A
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/A	Means of Extinction:	Carbon dioxide or dry chemical
Flashpoint and Method:	101oC	Hazardous Combustion Products:	Carbon monoxide,
	Closed cup		carbon dioxide, oxides of silicone, phosphorus
Upper Flammable limit		Lower Flammable Limit(% by volume):	N/E
(% 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?	N/A
Reactivity and under what conditions?	Hot surfaces, open flame, fire		
Hazardous Decomposition Products:	Acute overexposure to the products of combustion may result in irritationof the respiratory tract.		

N/E: not established

N.Ap.: not applicable

N/A: 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.		
	Transient eye irritation on direct eye contact . Ingestion of more than 1 Oz may cause diarrhea.		
Effects of Chronic Exposure:	none known		
LD 50 of Product:	> 15.2 rat-oral	LC 50 of Product:	N/E
Irritancy of Product:	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):	Rubber or plastic	Eye(specify):	goggles or faceshield
Respiratory(specify):	Only for precaution	Clothing:	canvas or plastic
Respiratory Protection:	If used indoors or on a continuous basis, use of cartridge type respirator is recommended		
Engineering Controls:	Consider the small quantity: No local mechanical ventilation is required.		
Leak and Spill Procedure:	Absorbent should be used, the solid waste material could be buried in an approved landfill.		
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:	# 529, # 530 D2B, D2A		

SECTION VIII-FIRST AID MEASURES

Eye:	Rinse thoroughly with water for 15 minutes. Consult physican.
Skin:	Remove contaminated clothes. Wash with soapy water. Apply good hand cream.
Inhalation:	Move patient from source of exposure.
Ingestion:	Do not induce vomiting. Seek medical help.

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

Additional Info/Comments:		Sources Used: Union Carbide Technical Data
Phone Number:	(905) 793-4311	Prepared By: Quality Control Laboratory
Date:	mars 3, 2003	Kleen-Flo Tumbler Industries Limited

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

N/A: not available

N/E: not established