

SECTION I-MATERIAL IDENTIFICATION AND USE

Material Name/Identifier:	Muffler Cement	Stock No.	450
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.Ap(mixture)	Chemical Family:	Silicates
Chemical Formula:	N.Ap(mixture)	Trade Names & Synonyms:	None
Material Use:	Adhesive / Sealant	Molecular Weight:	N.Ap(mixture)

SECTION II-HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredients	C.A.S.	Approximate Concentration	LD50 Species & Route	LC50 Species & Route
Sodium Silicate Solution	1344-09-8	40-70%	1960mg/kg rat-inhal	N/Av.
Kaolin	1332-58-7	30-60%	>5000mg/kg rat-oral	N/Av.

SECTION III-PHYSICAL DATA FOR MATERIAL

Physical State:	Paste	Odour/Appearance:	Odourless, semi-solid Gery color paste
Specific Gravity:	1.7	Odour Threshold(p.p.m.):	N/E
Boiling Point:	N/E	Evaporation Rate:	N/E
Freezing Point:	0 °C	Solubility in Water:	N/E
% Volatile(by volume):	N/E	Vapour Pressure(mm)Hg:	N/E
Vapour Density(Air=1):	N/E	Coefficient of Water/Oil Distribut:	N/E
pH	9-10.5		

SECTION IV-FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammability Yes/No	No	If yes under which conditions:	N.Ap.
Auto Ignition Temperature:	N/E	Means of Extinction:	Non-flammable
Flashpoint and Method:	none	Hazardous Combustion Products:	Hydrocarbon fumes, smoke, hydrogen.
Upper Flammable limit (%vol)	N.Ap.	Lower Flammable Limit(% by volume):	N.Ap.
Explosion Data:	Sensitivity to Mech. Impact: NO	Sensitivity to Static Discharge:	NO

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 Acids, Peroxides
Reactivity and under what conditions?	None known		
Hazardous Decomposition Products:	Hydrocarbon fumes, smoke, hydrogen		

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:	Materials can have delayed corrosive reaction on skin before curing. May irritate mouth, esophagus, stomach, etc. May cause irritation to skin, eyes.		
Effects of Chronic Exposure:	none known		
LD 50 of Product:	N/E	LC 50 of Product:	N/E
Irritancy of Product:	Eye and skin irritant.	Exposure Limits of Product:	N/E
Sensitization of Product:	N/E	Toxicologically Synergistic Materials:	N/E
--CARCINOGENICITY --REPRODUCTIVE EFFECTS --TERATOGENICITY --MUTAGENICITY			none known

SECTION VII-PREVENTIVE MEASURES

Personal Protective Equipment to be used:

Gloves(specify):	Rubber, Nitrile, impervious gloves	Eye(specify):	Safety glasses with side shield
Respiratory(specify):	Not required during normal use	Clothing:	Not required during normal use
Respiratory Protection:	Not required during normal use		
Engineering Controls:	Local ventilation		
Leak and Spill Procedure:	Collect and contain. Prevent entering to waterways		
Waste Disposal:	Dispose as per local government regulation.		
Storage Requirements:	Store at room temperature. Keep lid tight when not in use. Product has a shelf life of 12 months		
Handling Procedures and Equipment:	Avoid contact with skin, eyes. Do not ingest. Handle all chemicals with care. Keep away from children.		
TDG Classification:	Non regulated.		
WHMIS Classification:	Non regulated.		

SECTION VIII-FIRST AID MEASURES

Eye:	Flush immediately with water for 15 - 30 minutes. If irritation persists consult a physician immediately.
Skin:	Wash with soap and water. See doctor if irritation persist.
Inhalation:	Move patient to fresh air. Consult physician if discomfort persist.
Ingestion:	DO NOT INDUCE VOMITING. Get immediate medical attention.

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

Additional Info/Comments:		Sources Used: Supplier's data
Phone Number:	(905) 793-4311	Prepared By: Quality Control Laboratory
Date Prepared:	January 2, 2015	Kleen-Flo Tumbler Industries Limited

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