

SECTION I-MATERIAL IDENTIFICATION AND USE

Material Name/Identifier:	Anti-Seize Sealing Compound	Stock No.	810
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:	N/Av.
Chemical Formula:	N. Ap (Mixture)	Trade Names & Synonyms:	None
Material Use:	Sealer-Lubricant	Molecular Weight:	N. Ap (Mixture)

SECTION II-HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredients	C.A.S.	Approximate Concentration	LD50 Species & Route	LC50 Species & Route
Aluminum	429-90-5	5-10%	N/Av.	N/Av.
Aluminum Stearate	637-12-7	5-10%	N/Av.	N/Av.
Copper	7440-50-8	5-10%	N/Av.	N/Av.
Graphite	7792-42-5	10-30%	N/Av.	N/Av.
Mineral Spirits	8032-32-4	15 -40%	N/Av.	3400 ppm (4hr) rat-inh.
Zinc Oxide	1314-13-2	1-5%	N/Av.	N/Av.

SECTION III-PHYSICAL DATA FOR MATERIAL

Physical State:	Paste	Odour/Appearance:	faint, sweet odour/ copper paste
Specific Gravity:	1.31	Odour Threshold(p.p.m.):	N/Av.
Boiling Point:	N/Av.	Evaporation Rate (B.A.=1):	N/Av.
Freezing Point:	N/Av.	Solubility in Water:	Negligible
% Volatile(by volume):	N/Av.	Vapour Pressure (mm Hg):	N/Av.
Vapour Density(Air=1):	N/Av.	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, dry chemicals, foam
Flashpoint and Method:	213°C COC	Hazardous Combustion Prod.:	carbon monoxide, carbon dioxide, oxides sulfur and nitrogen, toxic fumes of metals and oxides.
Upper Flammable limit %vol	N/Av.	Lower Flammable Limit(% by volume):	N/Av.
Sensitivity to mechanical Impac	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 acids, base, oxidizers, bromate, chlorate, Iodates, Chlorinated hydrocarbons.	
Reactivity and under what conditions?	Open flame, fire		
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide, Oxides of Sulfur, Nitrogen, Toxic Metal fumes and 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:	May cause eye, irritation, skin irritation, drying and cracking. Ingestion may cause irritation and burning pain in mouth and stomach, thirst, nausea, vomiting, diarrhea with possible collapse if large amount ingested.		
Effects of Chronic Exposure:	Chronic exposure to aluminum is possibly connected with Alzheimer's disease. Copper contact nasal membranes may cause ulceration or perforation. Some test indicates that it's reproductive toxine and feto toxin.		
LD 50 of Product:	N/Av.	LC 50 of Product:	N/Av.
Irritancy of Product:	Eye, skin Irritant	Exposure Limits of Prod:	N/Av.
Sensitization of Product:	Contains copper, a potential skin sensitizer	Toxicologically Synergistic Materials:	N/Av.
--CARCINOGENICITY --REPRODUCTIVE EFFECTS --TERATOGENICITY --MUTAGENICITY			N/Av.

SECTION VII-PREVENTIVE MEASURES

Personal Protective Equipment to be used:

Gloves(specify):	Chemical resistant gloves	Eye(specify):	Safety glasses
Respiratory (specify):	Not Required in normal use	Clothing:	Not Required
Respiratory Protection:	If mist generated by heating or spraying, wear NOISH approved organic vapour cartridge respirator suitable for oil mist areas with sufficient oxygen.		
Engineering Controls:	Local or mechanical exhaust ventilation is recommended.		
Leak and Spill Procedure:	Contain spilled liquid with inert absorbant such as dry claysand, diatomaceous earth. Prevent spills from entering sewers.		
Waste Disposal:	Standard methods as approved in your region by government bodies..		
Storage Requirements:	Store in cool, well ventilated place. Keep away from heat opn flame, spark and incompatible materials		
Handling Procedures and Equipment:	Avoid skin or eye contact. Wash hand thoroughly after handling and before eating. Launder contaminated cloths. Keep containers closed.		
DSL listing	All components are listed.		
TDG Classification:	Not regulated		
WHMIS Classification:	Consumer Commodity		

SECTION VIII-FIRST AID MEASURES

Eye:	Wash with water for at least 15 minutes. Seek immediate medical help if irritation persists.
Skin:	Flush immediately and thoroughly with soap and water. Contact doctor if rash, irritation persist.
Inhalation:	Move patient to fresh air and restore breathing if required. See doctor if discomfort persist.
Ingestion:	DO NOT INDUCE VOMITING. Get prompt medical attention.

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

Additional Info/Comments:	Source used: Supplier's data
Phone Number:	(905) 793-4311 Prepared By: Quality Control Laboratory
Date prepared:	Janaury 2, 2015. Kleen-Flo Tumbler Industries Limited

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