

SECTION I-MATERIAL IDENTIFICATION AND USE

Material Name/Identifier:	Rad Seal Radiator Stop Leak	Stock No.	714
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/A (Mixture)
Chemical Formula:	N.Ap. (Mixture)	Trade Names & Synonyms:	None
Material Use:	Sealant	Molecular Weight:	N/Av. (Mixture)

SECTION II-HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredients	C.A.S.	Approximate Concentration	LD50 Species & Route	LC50 Species & Route
Aluminum powder	7429-90-5	60 - 100	N/Av.	N/Av.
Stearic acid	57-11-4	1 - 5	N/Av.	N/Av.
Silicone	7440-21-3	1 - 5	N/Av.	N/Av.
Iron	7439-89-6	1 - 5	N/Av.	N/Av.

SECTION III-PHYSICAL DATA FOR MATERIAL

Physical State:	Powder	Odour/Appearance:	odourless/ silver-Grey powder
Specific Gravity:	N/E	Odour Threshold(p.p.m.):	nil
Boiling Point:	N/Av.	Evaporation Rate:	nil
Freezing Point:	N/Av.	Solubility in Water:	>10%
% Volatile(by volume):	nil	Vapour Pressure(mm)Hg:	nil
Vapour Density(Air=1):	nil	Coefficient of Water/Oil Distribut:	N/Av.
pH	N/Av.		

SECTION IV-FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammability Yes/No	No (Under normal condition and usage)	If yes under which conditions?:	N.Ap.
Auto Ignition Temperature:	N/Av.	Means of Extinction: Foam, Dry chemical, CO2.	
Flashpoint and Method:	N/Av.	Hazardous Combustion Products: Hydrocarbon fume, smoke	
		Carbon dioxide, carbon monoxide where combustion incomplete.	
Upper Flammable limit (%vol)	N/E	Lower Flammable Limit(% by volume):	N/E
Explosion Data:	Sensitivity to Mech. Impact: N.Av.	Sensitivity to Static Discharge:	N.Av..

SECTION V-REACTIVITY DATA

Chemical Stability Yes/No:	Yes(Under normal condition)	If NO under which conditions?:	N.Ap.
Incompatibility to Other Substances Yes/No:	Yes	If so which ones? Water, Acid, Alkali and halogenated hydrocarbon.	
Reactivity and under what conditions?	Aluminum powder reacts with acids and alkali to form hydrogen gas. React violently with		
	halogenated hydrocarbon. React with water and slowly generates heat and hydrogen.		
Hazardous Decomposition Products:	N/E		
N/E: not established	N.Ap: not applicable	N/Av.: not available	

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SECTION VI-TOXICOLOGICAL PROPERTIES OF PRODUCT

Route of Entry: ALL Routes	--SKIN CONTACT --SKIN ABSORPTION --EYE CONTACT --INHALATION --INGESTION			
Effects of Acute Exposure:	Ingestion may cause mucous membrane and gastrointestinal irritation, nausea, vomiting, diarrhea. Inhalation can cause headache, nasal irritation. May cause severe eye irritation. Prolong contact may cause dry skin, defatting.			
Effects of Chronic Exposure:	none known			
LD 50 of Product:	N/E	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/E	
--CARCINOGENICITY --REPRODUCTIVE EFFECTS --TERATOGENICITY --MUTAGENICITY	none known			

SECTION VII-PREVENTIVE MEASURES

Personal Protective Equipment to be used:

Gloves(specify):	chemical resistant gloves	Eye(specify):	Safety glasses.
Respiratory(specify):	Dust, mist mask	Clothing:	not required during normal use
Respiratory Protection:	If used indoors or on a continuous basis, use of NIOSH approved cartridge type respirator is recommended		
Engineering Controls:	Local, mechanical ventilation		
Leak and Spill Procedure:	Collect and contain. Prevent entering to waterways.		
Waste Disposal:	According to local govt. regulation.		
Storage Requirements:	Keep in cool, dry place. Keep away from strong acids and alkalines.		
Handling Procedures and Equipment:	Handle with care. Do not inhale or ingest. Keep away from children.		
TDG Classification:	Not regulated		
WHMIS Classification:	Non controlled		

SECTION VIII-FIRST AID MEASURES

Eye:	Flush immediately with running water for at least 15 minutes. See doctor immediately if irritation persist.
Skin:	Wash with soap and water. Consult physician if irritation, rashes persist.
Inhalation:	Remove to fresh air. Seek medical help if discomfort persist.
Ingestion:	DO NOT INDUCE VOMITING. Rinse mouth with plenty of water, seek immediate medical help.

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:	Janaury 2, 2015.	Kleen-Flo Tumbler Industries Limited
THIS SHEET SUPERSEDES ANY OTHER M.S.D.S. PREVIOUSLY PREPARED		
N/E: not established	N.Ap: not applicable	N/Av.: not available