

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 flakes	7429-90-5	1 - 5	N/Av.	N/Av.
Sodium Bicarbonate	144-55-8	1 - 5	N/Av.	N/Av.

SECTION III-PHYSICAL DATA FOR MATERIAL

Physical State:	Powder	Odour/Appearance:	odourless/ silver 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:	N/E
% Volatile(by volume):	nil	Vapour Pressure(mm)Hg:	nil
Vapour Density(Air=1):	nil	Coefficient of Water/Oil Distribut:	N/Av.
pH, 10% aqueous	8.4		

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:	Foam, Dry chemical, CO2, Water fog.
Flashpoint and Method:	none	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.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 and oxidizers
Reactivity and under what conditions?	Aluminum powder reacts with strong acids and caustic solutions to produce hydrogen gas.		
Hazardous Decomposition Products:	N/E		

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:	Smay cause eye irritation.		
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):	Nitrile or 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	Handle with care. Do not inhale or ingest. Keep away from children.		
Equipment:			
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
Date Prepared:	January 16, 2012.
Prepared By: Quality Control Laboratory	
Kleen-Flo Tumbler Industries Limited	

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