

**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 #:	(905) 793-4311
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	25 - 40	N/Av.	N/Av.

**SECTION III-PHYSICAL DATA FOR MATERIAL**

Physical State:	Solid Powder	Odour/Appearance:	odourless/ silvery 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, 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:	Soda ash or lime. Do not use water.
Flashpoint and Method:	none	Hazardous Combustion Products:	Hydrogen gas
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 and alkalines
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:	N/E		
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):	rubber or plastic	Eye(specify):	Safety glasses.
Respiratory(specify):	use in open area	Clothing:	not required
Respiratory Protection:	If used indoors or on a continuous basis, use of cartridge type respirator is recommended		
Engineering Controls:	Not required when used in small quantities.		
Leak and Spill Procedure:	Scoop and contain.		
Waste Disposal:	According to local govt. regulation.		
Storage Requirements:	Keep dry and keep away from strong acids and alkalines.		
Handling Procedures and	Handle with care.		
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.
Skin:	Wash with soap and water.
Inhalation:	Remove to fresh air. Seek medical help.
Ingestion:	Rinse mouth with plenty of water, seek 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:	January 16, 2009.	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