

KLEEN-FLO TUMBLER INDUSTRIES LIMITED			MATERIAL SAFETY DATA SHEET		PAGE 1
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 helogenated hydrocarbon.		
Reactivity and under what conditions?	Aluminum powder reacts with acids and alkali to form hydrogen gas. React violently with				
	helogenated 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, bomiting, 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		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		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	