

SECTION I-MATERIAL IDENTIFICATION AND USE

Material Name/Identifier:	Cooling System Treatment	Stock No.	709
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.Ap(Mixture)
Chemical Formula:	N.Ap(Mixture)	Trade Names & Synonyms:	None
Material Use:	Coolant additive	Molecular Weight:	N.Ap(Mixture)

SECTION II-HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredients	C.A.S.	Approximate Concentration	LD50 Species & Route	LC50 Species & Route
Hydrotreated Naphthenic	64742-52-5	15 - 40%	>2000 mg/kg rat-oral	N/Av.
Benzotriazole	95-14-7	0.1 - 1.0%	560 mg/kg-rat-oral	N/Av.

SECTION III-PHYSICAL DATA FOR MATERIAL

Physical State:	Liquid	Odour/Appearance:	faint odour/ light green liquid
Specific Gravity:	0.97	Odour Threshold(p.p.m.):	N/E
Boiling Point:	> 105°C	Evaporation Rate:	N/E
Freezing Point:	N/E	Solubility in Water:	emulsifiable
% Volatile(by volume):	N/E	Vapour Pressure(mm)Hg:	N/E
Vapour Density(Air=1):	N/E	Coefficient of Water/Oil Distribut:	N/E
pH	7.5-9		

SECTION IV-FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammability Yes/No	No	If yes under which conditions:
Auto Ignition Temperature:	N/E	Means of Extinction: foam carbon dioxide, dry chemicals, water
Flashpoint and Method:	None	Hazardous Combustion Products: Carbon dioxide, Carbon monoxide, oxide of phosphorous.
Upper Flammable limit (% vol)	None	Lower Flammable Limit(% by volume): None
Explosion Data:	Sensitivity to Mechanical Impact: No	Sensitivity to Static Discharge: No

SECTION V-REACTIVITY DATA

Chemical Stability Yes/No:	Yes	If No under which conditions?:
Incompatibility to Other Substances Yes/No:	Yes	If so which ones? Inorganic acids conc., Peroxides
Reactivity and under what conditions?	Overheating, Open flame, Fire	
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide, Oxide of phosphorous, Oxide of Nitrogen.	

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:	Skin, eye irritation, inhalation may casue lung, nose, throat irritation, ingestion may cause laxative effect and low toxicity effect.			
Effects of Chronic Exposure:	none known			
LD 50 of Product:	N/E	LC 50 of Product:	N/E	
Irritancy of Product:	eye, skin irritant	Exposure Limits of Product:	5mg/m3 Oil mist	
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, Neoprene, or chemical resistant gloves	Eye(specify):	Safety Glasses	
Respiratory(specify):	Use in well ventilated area	Clothing:	Not required	
Respiratory Protection:	If used indoors or on a continuous basis, use of NIOSH approved cartridge type respirator is recommended			
Engineering Controls:	Local ventilation			
Leak and Spill Procedure:	Use inert absorbent material, prevent from entering waterways.			
Waste Disposal:	Standard methods as approved in your area by local or provincial government regulation.			
Storage Requirements:	Store at room temperature. Keep container closed when not in use.			
Handling Procedures and Equipment:	Handle with care. Keep away from children. Do not inhale or ingest.			
DSL listing	All components are listed in the inventory.			
TDG Classification:	Non regulated			
WHMIS Classification:	Non controlled			
SECTION VIII-FIRST AID MEASURES				
Eye:	Rinse thoroughly with water for 15 minutes. Consult physician immediately if irritation persist..			
Skin:	Remove contaminated clothing. Rinse with soapy water 5 - 10 minutes. See doctor if discomfort persist.			
Inhalation:	Remove patient from further exposure. Give fresh air. Seek medical help if discomfort persist.			
Ingestion:	DO NOT INDUCE VOMITING. Seek medical help immediately.			
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				
N/E: not established		N.Ap.: not applicable		N/Av.: not available