

SECTION I-MATERIAL IDENTIFICATION AND USE

Material Name/Identifier:	Armashine Protectant	Stock No.		192/193/194
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:		Armashine
Material Use:	Cleaner/Protectant	Molecular Weight:		N/Av.

SECTION II-HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredients	C.A.S.	Approximate Conc. % wt.	LD50 Species & Route	LC50 Species & Route
Hydrocarbon Distillates	8042-47-5	60-80 %	>5000mg/kg rat -oral	N/Av.
Silicone Fluid Polymer	63148-62-9	20-40 %	40000mg/kg rat-oral	535mg/l rat-inh.

This product is not known to contain any chemicals listed as a carcinogen or suspected carcinogen by US OSHA, IRAC, or the US National toxicology Program at a concentration greater than 0.1%.

SECTION III-PHYSICAL DATA FOR MATERIAL

Physical State:	liquid	Odour/Appearance:	pleasant odour/ clear, colourless liquid
Specific Gravity:	0.83	Odour Threshold(p.p.m.):	N/E
Boiling Point:	>240 °C	Evaporation Rate:	N/E
Freezing Point:	N/E	Solubility in Water:	Insoluble
% Volatile(by volume):	60 - 80%	Vapour Pressure(mm)Hg:	<0.1mm
Vapour Density(Air=1):	N/E	Coefficient of Water/Oil Distribut:	N/E
pH	N/Av.		

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:	Dry chemical, foam, carbon dioxide
Flashpoint and Method:	104 °C PMCC	Hazardous Combustion Products:	none known
Upper Flammable limit (% vol)	N/Av.	Lower Flammable Limit(% by volume):	N/Av.
Explosion Data:	N/Av.	Sensitivity to Static Discharge:	N/Av.

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?	May react with strong oxidizing agents.
Reactivity and under what conditions?	none known		
Hazardous Decomposition Products:	Carbon dioxide, carbon monoxide		

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:	--SKIN CONTACT --SKIN ABSORPTION -x-EYE CONTACT --INHALATION -x-INGESTION			
Effects of Acute Exposure:	Slight irritation to the eyes upon direct contact. Ingestion of large quantities may cause severe oral intoxication which will lead to intense burning of the throat followed by dizziness, weakness & nausea.			
Effects of Chronic Exposure:	None Known			
LD 50 of Product:	N/Av.	LC 50 of Product:	N/Av.	
Irritancy of Product:	Slight eye irritant	Exposure Limits of Product:	N/Av.	
Sensitization of Product:	none known	Toxicologically Synergistic Materials:	N/Av.	
--CARCINOGENICITY --REPRODUCTIVE EFFECTS --TERATOGENICITY --MUTAGENICITY			none known	
SECTION VII-PREVENTIVE MEASURES				
Personal Protective Equipment to be used:				
Gloves(specify):	Not required in normal usage	Eye(specify):	Safety glasses	
Respiratory(specify):	Not required in normal usage	Clothing:	Not required	
Respiratory Protection:	If used indoors or on a continuous basis, use of cartridge type NIOSH approved respirator is recommended			
Engineering Controls:	General adequate ventilation.			
Leak and Spill Procedure:	Contain spill, do not allow to enter sewers or water system.			
Waste Disposal:	According to local or federal regulation			
Storage Requirements:	Store at room temperature			
	Keep away from heat, flame or spark			
Handling Procedures and				
Equipment:	Material is slippery, wipe clean.			
DSL Listing	All components are listed.			
TDG Classification:	Not controlled			
WHMIS Classification:	Not controlled			
CCCR	Non-controlled.			
SECTION VIII-FIRST AID MEASURES				
Eye:	Wash with water for at least 15 minutes. Seek medical attention if irritation persists.			
Skin:	The product is non-irritating to the skin upon direct contact. Prolonged or repeated contact may result in dermatitis. Wash thoroughly with soap and water.			
Inhalation:	This product has a low vapour pressure and is not expected to present an inhalation exposure at ambient conditions. If vapour or mist is generated when the material is heated or handled, remove victim to fresh air.			
Ingestion:	DO NOT INDUCE VOMITING. Seek medical attention immediately.			
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 2, 2015.	Kleen-Flo Tumbler Industries Limited		
THIS SHEET SUPERSEDES ANY OTHER M.S.D.S. PREVIOUSLY PREPARED				
N/Av.: not available		N/Av.: not applicable		N/E: not established