

SECTION I-MATERIAL IDENTIFICATION AND USE

Material Name/Identifier:	Armashine Glass Kleen (Anti-Fog)	Stock No.		269
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:	Cleaner	Molecular Weight:		N.Ap. (mixture)

SECTION II-HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredients	C.A.S.	Approximate Concentration	LD50 Species & Route	LC50 Species & Route
Isopropanol	67-63-0	1 - 5 %	5045 mg/kg rat-oral	16970 ppm (4hr) rat-inh.
2-butoxyethanol	111-76-2	1-5 %	1746 mg/kg rat-oral	450 ppm (4hr) rat-inh.

SECTION III-PHYSICAL DATA FOR MATERIAL

Physical State:	Liquid	Odour/Appearance:	pleasant odour/clear, colorless
Specific Gravity:	0.98	Odour Threshold(p.p.m.):	N/E
Boiling Point:	N/Av.	Evaporation Rate:	N/E
Freezing Point:	< 0° C	Solubility in Water:	100%
% Volatile(by volume):	N/E	Vapour Pressure(mm)Hg:	same as water
Vapour Density(Air=1):	same as water	Coefficient of Water/Oil Distribut:	N/Av.
pH	6-9		

SECTION IV-FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammability Yes/No	No	If yes under which conditions?:
Auto Ignition Temperature:	N/Av.	Means of Extinction: water, carbon dioxide, dry chemical
Flashpoint and Method:	None	Hazardous Combustion Products: Hydrocarbon fumes and
		smoke
Upper Flammable limit (% vol)	N/E	Lower Flammable Limit(% by volume): N/E
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? N.Ap.
Incompatibility to Other Substances Yes/No:	Yes	If so which ones? peroxides, Strong oxidizers, Strong acid
Reactivity and under what conditions?	Hot surfaces, open flame, fire	
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide in fire	

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:	May cause mild eye or skin irritation.			
Effects of Chronic Exposure:	None known			
LD 50 of Product:	N/E	LC 50 of Product:	N/E	
Irritancy of Product:	May cause eye irritation	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):	Not required during normal use	Eye(specify):	Safety Glasses	
Respiratory(specify):	Not required during normal use	Clothing:	Not required during normal use	
Respiratory Protection:	If used indoor or on a continuous basis, use of NIOSH approved cartridge type respirator is recommended			
Engineering Controls:	Local and mechanical ventilation.			
Leak and Spill Procedure:	Flush away with plenty of water.			
Waste Disposal:	Hose off to the sewage drain			
Storage Requirements:	Keep container closed when not in use.			
Handling Procedures and	Handle with care. Eye irritant. Avoid contact with eyes. Do not inhale or ingest.			
Equipment:	Keep out of reach of children. Keep container closed well when not in use.			
DSL listing	All components are listed in the inventory.			
TDG Classification:	Not regulated			
WHMIS Classification:	Not controlled			
SECTION VIII-FIRST AID MEASURES				
Eye:	Flush with water for at least 15 minutes. Get medical attention if irritation persists.			
Skin:	Wash with soap and water. Seek medical help if irritation persist.			
Inhalation:	Move patient to fresh air and restore breathing if required. See doctor if discomfort persist.			
Ingestion:	DO NOT INDUCE VOMITING. Drink 1 or 2 glass of water, rinse mouth thoroughly,.			
	Seek medical help immediately			
SECTION IX-PREPARATION DATE OF M.S.D.S.				
Additional Info/Comments:		Sourced 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/Ap.: not applicable		N/E: not established