

SECTION I-MATERIAL IDENTIFICATION AND USE

Material Name/Identifier:	Armashine Carpet & Upholstery Cleaner	Stock No.	271
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/A (Mixture)	Chemical Family:	N/A
Chemical Formula:	N/A (Mixture)	Trade Names & Synonyms:	None
Material Use:	Cleaner	Molecular Weight:	N/A (Mixture)

SECTION II-HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredients	C.A.S.	Approximate Concentration	LD50 Species & Route	LC50 Species & Route
Isopropanol	67 - 63 - 0	1-10%	5045 mg/kg rat-oral	16970 ppm (4hr) rat-inh.
Sodium lauryl ether sulfate surf	68585 - 34 - 2	1 - 5 %	>2000 mg/kg rat-oral	N/Av

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

SECTION III-PHYSICAL DATA FOR MATERIAL

Physical State:	Liquid	Odour/Appearance:	odourless Clear Liquid
Specific Gravity:	0.994 - 1.0	Odour Threshold(p.p.m.):	N/E
Boiling Point:	N/E	Evaporation Rate:	N/E
Freezing Point:	< 0°C	Solubility in Water:	100% Soluble
% Volatile(by volume):	N/E	Vapour Pressure(mm)Hg:	N/E
Vapour Density(Air=1):	N/E	Coefficient of Water/Oil Distribut:	N/Ap.
pH	7-9		

SECTION IV-FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammability Yes/No	No	If yes under which conditions:	N.Ap.
Auto Ignition Temperature:	N/E	Means of Extinction:	Water, Carbon dioxide, dry chemical.
Flashpoint and Method:	85°C	Hazardous Combustion Products:	Hdrocarbon fume, smoke
Upper Flammable limit (% vol)	N/E	Lower Flammable Limit(% by volume):	N/E
Explosion Data:	Sensitivity to mechanical 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?	peroxides, Strong oxidizers, Strong acid
Reactivity and under what conditions?	Hot surfaces, open flames or fire.		
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide		
N/E: not established	N.Ap.: not applicable	N/Av.: not available	

Material Name/Identifier: Armashine Carpet & Upholstery Cleaner		Stock No. 271		PAGE 2
SECTION VI-TOXICOLOGICAL PROPERTIES OF PRODUCT				
Route of Entry:	--SKIN CONTACT --SKIN ABSORPTION -x-EYE CONTACT --INHALATION --x-INGESTION			
Effects of Acute Exposure:	Inhalation of mist may cause coughing and irritation			
	Excessive ingestion may cause gastrointestinal disturbance, including nausea, vomiting and diarrhea.			
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	
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:	Rinse away with plenty of water.			
Waste Disposal:	Dilute with water and hose off.			
Storage Requirements:	Store at room temperature.			
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.			
TDG Classification:	Not regulated			
WHMIS Classification:	Not regulated			
SECTION VIII-FIRST AID MEASURES				
Eye:	Wash with water for at least 15 minutes. Seek medical help immediately 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:		Sources Used: Handbook of Poisoning By: R.H Dreisbach		
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/E: not established		N.Ap.: not applicable		N/Av.: not available