

SECTION I-MATERIAL IDENTIFICATION AND USE

Material Name/Identifier:	Liquid Steam Cleaning Compound	Stock No.	1527 / 1529
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:	Blended product (N.Ap.)	Chemical Family:	Blend (N/A)
Chemical Formula:	Blended product (N.Ap.)	Trade Names & Synonyms:	None
Material Use:	Cleaner	Molecular Weight:	Mixture (N.Ap.)

SECTION II-HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredients	C.A.S.	Approximate Concentration	LD50 Species & Route	LC50 Species & Route
2-butoxyethanol	111-76-2	1-5%	1746 mg/kg rat-oral	450 ppm (4hr) rat-inh.
Sodium tripolyphosphate	7758-29-4	1 - 5%	3100 mg/kg rat-oral	N/Av.
Coco monoethanolamide	68140-00-1	10 -30%	3000 mg/kg rat-oral	N/Av.
EDTATE TETRASODIUM	64-02-8	3 -7%	10g/kg rat-oral	N/Av.
Sodium Xylene sulphonate	1300-72-7	1 -5%	4000 mg/Kg rat-oral	N/Av.

SECTION III-PHYSICAL DATA FOR MATERIAL

Physical State:	Liquid	Odour/Appearance:	Mild, characteristic odour/Clear, light green liquid
Specific Gravity:	1.05	Odour Threshold(p.p.m.):	N/E
Boiling Point:	> 100°C	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/E
pH	9-10.5		

SECTION IV-FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammability Yes/No	No	If yes under which conditions?:	N.Ap.
Auto Ignition Temperature	None	Means of Extinction:	Water fog, foam, dry chemical,carbon dioxide
Flashpoint and Method:	None	Hazardous Combustion Products:	Oxides of carbon
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?	N.Ap.
Incompatibility to Other Substances Yes/No:	Yes	If so which ones?	Strong oxidizing & reducing agents
Reactivity and under what conditions?	None		
Hazardous Decomposition Products:	Oxides of carbon, nitrogen		

N/E: not established

N.Ap.: not applicable

N/Av.: not available

SECTION VI-TOXICOLOGICAL PROPERTIES OF PRODUCT

Route of Entry:	--SKIN CONTACT --SKIN ABSORPTION -x-EYE CONTACT --INHALATION --INGESTION		
Effects of Acute Exposure:	Mild eye, skin irritant. Inhalation or inhesion may cause dizziness, cough, headache.		
Effects of Chronic Exposure:	Skin irritant or dermatitis may occur upon frequent or prolonged contact.		
LD 50 of Product:	N/E	LC 50 of Product:	N/Av.
Irritancy of Product:	Skin, eye irritant	Exposure Limits of Product:	N/Av.
Sensitization of Product:	No	Toxicologically Synergistic Materials:	N/Av.
--CARCINOGENICITY --REPRODUCTIVE EFFECTS --TERATOGENICITY --MUTAGENICITY			none known

SECTION VII-PREVENTIVE MEASURES

Personal Protective Equipment to be used:

Gloves(specify):	Rubber or nitrile	Eye(specify):	Safety glasses
Respiratory(specify):	Organic Vapour Mask	Clothing:	Not required
Respiratory Protection:	If used indoors or on a continuous basis, use of NIOSH approved cartridge type respirator is recommended		
Engineering Controls:	Use under well ventilated area or in open space. Local or mechanical ventilation required.		
Leak and Spill Procedure:	Use inert absorbant, Collect and contain.		
Waste Disposal:	Dispose according locla govt. regulation.		
Storage Requirements:	Store at room temperature and keep container closed when not in use. Do not freeze.		
Handling Procedures and	Handle with care. Avoid contact with skin and eyes. Do not inhale or ingest. Keep away from children.		
Equipment:	Use standard industrial handling equipment. Follow good industrial safety procedure.		
DSL Listing:	All components are listed in the inventory.		
TDG Classification:	Not controlled		
WHMIS Classification:	D2B		

SECTION VIII-FIRST AID MEASURES

Eye:	Rinse thoroughly with water for 15 minutes. Consult a physician immedaitely if irritation persist.
Skin:	Remove contaminated clothing. Rinse with soapy water 5 - 10 minutes. See doctor if irritation persist.
Inhalation:	Remove to fresh air. Restore breathing if required. See doctor if discomfort persist.
Ingestion:	DO NOT INDUCE VOMITING. Seek medical help 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 16, 2012.	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