

SECTION I-MATERIAL IDENTIFICATION AND USE

Material Name/Identifier:	Kleen-Stor	Stock No.	791-1
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 (Blended Product)	Chemical Family:	N/Av (Mixture)
Chemical Formula:	N.Ap (Blended Product)	Trade Names & Synonyms:	Kleen-Stor
Material Use:	Flogging oil	Molecular Weight:	N/Av (mixture)

SECTION II-HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredients	C.A.S.	Approximate Concentration	LD50 Species & Route	LC50 Species & Route
Stoddard Solvent	8052-41-3	1 - 5	>5g/kg rat-oral	>5500mg/m3 rat-inhal.
Mineral Spirit	64742-47-8	7 - 13	>5000 mg/kg rat-oral	14000ppm(4hr) rat-inhal
Refined light paraffinic oil	64741-89-5	10 -30	N/Av.	N/Av.
Paraffinic oil	64741-88-4	30 - 60	N/Av.	N/Av.
Praopane	74-98-6	10 -30	>5000mg/kg dermal-rabbit	N/Av.

SECTION III-PHYSICAL DATA FOR MATERIAL

Physical State:	Aerosol	Odour/Appearance:	Tan liquid with mild vanilla odor.
Specific Gravity:	0.82-0.86	Odour Threshold(p.p.m.):	N/Av.
Boiling Point:	156-200 °C(Conc.)	Evaporation Rate (B.A.=1):	<1
Freezing Point:	N/Av.	Solubility in Water:	negligible
% Volatile(by volume):	>95%	Vapour Pressure:	60 - 70 psig
Vapour Density(Air=1):	> 1	Coefficient of Water/Oil Distribut	N/Av.
pH	N/Av.		

SECTION IV-FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammability Yes/No	Yes	If yes under which conditions?:	Combustible, may explode if heated
Auto Ignition Temperature:	229°C	Means of Extinction:	Carbon dioxide, water fog, dry chemicals.
Flashpoint and Method:	41°C TCC (Conc.)	Hazardous Combustion Products:	oxides of carbon, sulfur,
Flame Extension:	>45 cm, but <100 cm	Carbon monoxide, hydrocarbon fumes and smoke.	
Upper Flammable limit,%vol	13.3	Lower Flammable Limit(% by volume):	1.2
Explosion Data:	Sensitivity to Mechanical Impact: 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?	Strong Oxidizers.
Reactivity and under what conditions?	Combustible, avoid excessive heat, sparks and open flame		
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide, hydrocarbon fumes and smoke.		

N/E: not established

N/Av.: not applicable

N/Av.: not available

Material Name/Identifier:	Kleen-Stor	Stock No.	791-1	PAGE 2
Route of Entry: ALL Routes	--SKIN CONTACT --SKIN ABSORPTION --EYE CONTACT --INHALATION --INGESTION			
Effects of Acute Exposure:	Prolonged skin contact may cause skin irritation. Eye tearing, redness or even blurred vision.			
	Prolonged inhalation may cause headache, nausea or dizziness.			
Effects of Chronic Exposure:	Solvents may cause defatting dermatitis.			
LD 50 of Product:	N/Av.	LC 50 of Product:	N/Av.	
Irritancy of Product:	Eye & Skin Irritant	Exposure Limits :	Oil mist, 5 mg/m ³ , TLV	
Sensitization of Product:	N/E	Toxicologically Synergistic Materials:	N/Av.	
--CARCINOGENICITY --REPRODUCTIVE EFFECTS --TERATOGENICITY --MUTAGENICITY			None Known	
SECTION VII-PREVENTIVE MEASURES				
Personal Protective Equipment to be used:				
Gloves(specify):	Neoprene, Nitrile or chemical resistant	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 respirator is recommended			
Engineering Controls:	Local exhaust ventilation is recommended.			
Leak and Spill Procedure:	Contain & collect use inert absorbent. Prevent large spills from entering sewers or waterways. Small spills may be absorbed with non-reactive absorbent.			
Waste Disposal:	Do not puncture or incinerate containers, even when empty. Dispose of in accordance with local, provincial and federal regulations.			
Storage Requirements:	Store in a cool, well ventilated area where temperature not to exceed 45°C			
Handling Procedures and	Use adequate ventilation. Avoid skin contact and prolonged inhalation.			
Equipment:	Contents under pressure. Keep away from heat, spark, flame and other sources of ignition			
NPFA30B/CNFC3.3.5	Level 3			
TDG Classification:	Consumer Commodity			
WHMIS Classification:	Consumer Commodity	Complies with CCCR 2001		
SECTION VIII-FIRST AID MEASURES				
Eye:	Flush with water for at least 15 minutes. Seek medical help immediately if irritation persists.			
Skin:	Flush immediately and thoroughly with water. Contact doctor if rash, irritation persist.			
Inhalation:	Move patient to fresh air and restore breathing if required. See doctor if discomfort persist.			
Ingestion:	DO NOT INDUCE VOMITING. Call a physician 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/Av.: not applicable		N/Av.: not available

SECTION I-MATERIAL IDENTIFICATION AND USE

Material Name/Identifier:	Fuel Stabilizer	Stock No.	791-2
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:	Aliphatic and aromatic hydrocarbon mixture
Chemical Formula:	N.Ap. (Mixture)	Trade Names & Synonyms:	N/Av.
Material Use:	Gasoline additive	Molecular Weight:	

SECTION II-HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredients	C.A.S.	Approximate Concentration	LD50 Species & Route	LC50 Species & Route
Propanol-2	67-63-0	60-100%	5045 mg/kg rat-oral	16000 ppm (4hr) rat-inh.
Petroleum distillates	8052-41-3	10-30%	> 5 g/kg rat-oral	> 5 g/m3 rat-inh.
2,6 di-tert-butyl phenol	128-39-2	1-5%	N/Av.	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:	Characteristic odour/Clear, light yellow liquid
Specific Gravity:	0.79	Odour Threshold(p.p.m.):	N/E
Boiling Point, degC	80	Evaporation Rate:	N/E
Freezing Point:	N/E	Solubility in Water:	Partly soluble
% Volatile(by volume):	N/E	Vapour Pressure(mm)Hg:	N/E
Vapour Density(Air=1):	>1	Coefficient of Water/Oil Distribut:	N/Av.
pH	N/Av.		

SECTION IV-FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammability Yes/No	Yes	If yes under which conditions:	Heat, Open flame, Spark
Auto Ignition Temperature	N/E	Means of Extinction:	Alcohol Foam, Carbon dioxide, Foam
Flashpoint and Method:	14°C Tag CC	Hazardous Combustion Products:	Carbon monoxide, Carbon dioxide, Nitrogen oxide
Upper Flammable limit (%vol)	12	Lower Flammable Limit(% by volum	2
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/Av.
Incompatibility to Other Substances Yes/No:	Yes	If so which ones?	Avoid contact with strong oxidizing materials, it may react with aluminum at high temp.
Reactivity and under what conditions?	Normally stable but can become unstable at elevated temp. and pressure.		
Hazardous Decomposition Products:	Oxides of carbon, nitrogen and black smoke of combustion.		

N/E: not established

N.Ap.: not applicable

N/Av.: not available

SECTION VI-TOXICOLOGICAL PROPERTIES OF PRODUCT

Routes of Entry: ALL Routes	--SKIN CONTACT --SKIN ABSORPTION --EYE CONTACT --INHALATION --INGESTION		
Effects of Acute Exposure:	Eye, Skin irritation. May cause headache, dizziness, nausea, drowsiness and central nervous system depression.		
Effects of Chronic Exposure:	None known.		
LD 50 of Product:	N/E	LC 50 of Product:	N/E
Irritancy of Product:	skin and eye irritant	Exposure Limits of Product:	400 ppm (2-propanol)
Sensitization of Product:	N/Av.	Toxicologically Synergistic Materials:	N/Av.
--CARCINOGENICITY --REPRODUCTIVE EFFECTS --TERATOGENICITY --MUTAGENICITY			none known

SECTION VII-PREVENTIVE MEASURES

Personal Protective Equipment to be used:

Gloves(specify):	Nitrile, viton or chemical resistant	Eye(specify):	Chemical 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:	Required adequate ventilation to maintain TLV limit, electrical and mechanical equipment should be sparkproof.		
Leak and Spill Procedure:	Remove all sources of ignition. Prevent from entering waterways, absorb with inert absorbent material.		
Waste Disposal:	Dispose of at an approved waste disposal facility. Or as per municipal or provincial regulation.		
Storage Requirements:	Keep in a cool well ventilated place. Keep away from heat, spark or flame		
Handling Procedures and	Handle with care. Keep away from children. Do not inhale or ingest.		
Equipment:	Use spark resistant tools and equipment		
DSL listing	All components are listed in the inventory.		
TDG Classification:	Consumer commodity		
WHMIS Classification:	Consumer commodity	Complies with CCCR 2001.	

SECTION VIII-FIRST AID MEASURES

Eye:	Flush with water for at least 15 minutes. Seek medical attention immediately if irritation persist.
Skin:	Wash with soap and water. See doctor if irritation persist.
Inhalation:	Move patient to fresh air and restore breathing if required. Call a physician 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

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