

SECTION I-MATERIAL IDENTIFICATION AND USE

Material Name/Identifier:	KLEEN-VALVES AND LIFTERS	Stock No.	700
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/Av.(mixture)	Chemical Family:	N/Av. (mixture)
Chemical Formula:	N.Ap (mixture)	Trade Names & Synonyms:	None
Material Use:	gasoline additive	Molecular Weight:	N/Av. (mixture)

SECTION II-HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredients	C.A.S.	Approximate Concentration	LD50 Species & Route	LC50 Species & Route
Dimethylbenzene	1330-20-7	5-10%	4300 mg/kg rat-oral	6350 ppm (4hr) rat
Petroleum Distillate	8052-41-3	15-40%	> 5 g/kg rat-oral	> 5 g/m3 rat-inh.
Naphthenic Oil	64742-52-5	30-60%	>2000 mg/kg rat-oral	N/Av.
O-Dichlorobenzene	95-50-1	1-5%	500 mg/kg rat-oral	500 ppm rat-inhl.

SECTION III-PHYSICAL DATA FOR MATERIAL

Physical State:	Liquid	Odour/Appearance:	Clear red liquid
Specific Gravity:	0.86	Odour Threshold(p.p.m.):	N/E
Boiling Point:	> 82°C	Evaporation Rate:	N/E
Freezing Point:	N/E	Solubility in Water:	negligible
% Volatile(by volume):	N/E	Vapour Pressure(mm)Hg:	N/E
Vapour Density(Air=1):	N/Av.	Coefficient of Water/Oil Distribut:	N/E
pH	N.Ap		

SECTION IV-FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammability Yes/No	Yes	If yes under which conditions?:	Excessive heat, open flames or sparks
Auto Ignition Temperature:	N/E	Means of Extinction:	Dry chemical, Foam, Carbon dioxide, Water
Flashpoint and Method:	55°C TCC	Hazardous Combustion Products:	Carbon dioxide, carbon monoxide halogenated compound,
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?	Concentrated inorganic acids, peroxides.
Reactivity and under what conditions?	Hot surfaces, open flames, fire		
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide, halogenated compound.		

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 skin, eye irritation, dizziness, headache, vomiting, nausea, cough, pulmonary irritation and central nervous system depression			
Effects of Chronic Exposure:	Prolong, repeated eye and skin contact can cause severe eye irritation, dermatitis. Repeated overexposure of may cause liver and kidney damage.			
LD 50 of Product:	N/E	LC 50 of Product:	N/E	
Irritancy of Product:	Skin and eye irritant	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):	Nitrile or Chemical resistant gloves	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:	Local or mechanical ventilation			
Leak and Spill Procedure:	Use inert absorbent materials, prevent from entering waterways.			
Waste Disposal:	Dispose of at an approved waste disposal facility. Or as per municipal or provincial regulation.			
Storage Requirements:	Store at room temperature. Keep container closed when not in use. keep away from open flame, excessive heat, source of ignition			
Handling Procedures and Equipment:	Handle with care. Keep away from children. Do not inhale or ingest.			
DSL Listing	All components are listed on the inventory.			
TDG Classification:	Consumer commodity			
WHMIS Classification:	Consumer commodity	Complies with CCCR 2001		
SECTION VIII-FIRST AID MEASURES				
Eye:	Flush immediately with running water for at least 15 minutes. Consult physician immediately.			
Skin:	Remove contaminated clothing. Rinse with plenty of soapy. See doctor if irritation persist.			
Inhalation:	Remove to fresh air. Restore breathing if required. See doctor if discomfort persist.			
Ingestion:	DO NOT INDUCE VOMITNG. Get medical help immediately.			
SECTION IX-PREPARATION DATE OF M.S.D.S.				
Additional Info/Comments:			Source used: Supplier's data	
Phone Number:	(905) 793-4311	Prepared By: Quality Control Laboratory		
Date Prepared:	Janauary 2, 2012.	Kleen-Flo Tumbler Industries Limited		
N/E: not established		N.Ap: Not applicable		N/Av.: not available
THIS SHEET SUPERSEDES ANY OTHER M.S.D.S. PREVIOUSLY PREPARED				