

SECTION I-MATERIAL IDENTIFICATION AND USE

Material Name/Identifier:	TKO Combustion Chamber Cleaner	Stock No.	830-1
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:	mixture (N.Ap.)	Chemical Family:	mixture
Chemical Formula:	mixture (N.Ap.)	Trade Names & Synonyms:	TKO
Material Use:	Auto cleaner	Molecular Weight:	mixture (N.Ap.)

SECTION II-HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredients	C.A.S.	Approximate conc.% wt.	LD50 Species & Route	LC50 Species & Route
2-butoxy ethanol	111-76-2	5-10	1746 mg/kg rat-oral	450 ppm (4hr) rat-inh.
Dimethylbenzene	1330-20-7	15-40	4.3 g/kg rat-oral	6350 ppm (4 hrs) rat-inh.
Potassium Hydroxide	1310-58-3	1-5	273 mg/kg rat-oral	N/Av.
2-propanol	67-63-0	30-60	5045 mg/kg rat-oral	16970 ppm (4hr) rat-inh.
Hydrotreated light Naphthenic	64742-52-5	1-5	>2000 mg/kg rat-oral	N/Av.
Heptane	142-82-5	10-30	15000 mg/kg rat-oral	103g/m3 rat-inh.

SECTION III-PHYSICAL DATA FOR MATERIAL

Physical State:	liquid	Odour/Appearance:	Organic solvent odour/ Light pale liquid
Specific Gravity:	0.81	Odour Threshold(p.p.m.):	N/E
Boiling Point:	N/E	Evaporation Rate:	N/E
Freezing Point:	N/E	Solubility in Water:	N/E
% Volatile(by volume):	>95%	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	Yes	If yes under which conditions?:	ignition above flashpoint
Auto Ignition Temperature:	N/E	Means of Extinction:	Dry chemical,Carbon dioxide, Foam.
Flashpoint and Method:	15°C Tag CC	Hazardous Combustion Products:	hydrocarbon fumes & smoke, carbon dioxide where combustion is incomplete.
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:	Yes

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 agents
Reactivity and under what conditions?	Avoid excessive heat, sparks and open flame.		
Hazardous Decomposition Products:	Hydrocarbon fumes & smoke, carbon dioxide where combustion incomplete		

N/E: not established

N.Ap.:not applicable

N/Av.: not available

SECTION VI-TOXICOLOGICAL PROPERTIES OF PRODUCT

Route 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:	Repeated overexposure cause liver, kidney and blood damage.		
LD 50 of Product:	N/E	LC 50 of Product:	N/E
Irritancy of Product:	Eye, skin irritant	Exposure Limits of Product:	N/E
Sensitization of Product:	N/E	Toxicologically Synergistic Materials:	N/E
--CARCINOGENICITY --REPRODUCTIVE EFFECTS --TERATOGENICITY --MUTAGENICITY			Not available.

SECTION VII-PREVENTIVE MEASURES

Personal Protective Equipment to be used:

Gloves(specify):	Chemical resistant gloves.	Eye (specify):	Safety Glasses
Respiratory(specify):	Not required in normal use	Clothing:	Not required
Respiratory Protection:	If used indoors or on a continuous basis, use of cartridge type NIOSH approved respirator is recommended		
Engineering Controls:	Required adequate ventilation to maintain TLV limit, electrical and mechanical equipment should be sparkproof		
Leak and Spill Procedure:	Use non-reactive absorbent material and non sparking tools to contain spills.		
Waste Disposal:	Dispose off at an approved waste disposal facility as per municipal or provincial regulation.		
Storage Requirements:	Store in a cool, well ventilated area. Storage temperature should not exceed 40°C		
Handling Procedures and	Use with adequate ventilation. Do not use near open flame. Avoid contact with skin, eyes.		
Equipment:	Do not inhale or ingest. Handle with care. Keep away from children.		
DSI listing	All components are listed on the inventory.		
TDG Classification:	Consumer commodity		
WHMIS Classification:	B2, D2B		

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 soap and water. Contact doctor if rash, irritation persist.
Inhalation	Move patient to fresh air and restore breathing if required. See doctor if discomfort persist.
Ingestion:	Seek immediate medical attention. DO NOT INDUCE VOMITING.

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 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
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