

**SECTION I-MATERIAL IDENTIFICATION AND USE**

Material Name/Identifier:	Eco-Care Engine Degreaser	Stock No.	022 / 023
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:	N.Ap.(mixture)
Chemical Formula:	N.Ap. (Mixture)	Trade Names & Synonyms:	N/A
Material Use:	Cleaner, Degreaser	Molecular Weight:	N.Ap.

**SECTION II-HAZARDOUS INGREDIENTS OF MATERIAL**

Hazardous Ingredients	C.A.S.	Approximate Concentration	LD50 Species & Route	LC50 Species & Route
D-limonene	5989-27-5	10 -30 %	> 2 g/kg rat-oral	N/E
Alcohol ethoxylate	68439-46-3	1-5 %	>2 g/kg rat-oral	N/E
Diethylene glycol monobutyl ether	112-34-5	1-5 %	6.56 g/kg rat-oral	N/E

**SECTION III-PHYSICAL DATA FOR MATERIAL**

Physical State:	Liquid	Odour/Appearance:	Light citrus.clear light yellow liquid
Specific Gravity:	1.01	Odour Threshold(p.p.m.):	N/E
Boiling Point:	100°C (Approx.)	Evaporation Rate:	1 (Water=1)
Freezing Point:	0 °C	Solubility in Water:	Emulsifies
% wt. Volatile:	N/E	Vapour Pressure(mm)Hg:	N/E
Vapour Density(Air=1):	N/E	Coefficient of Water/Oil Distribut:	N/E
pH	11-12.3		

**SECTION IV-FIRE AND EXPLOSION HAZARD OF MATERIAL**

Flammability Yes/No	Yes, Combustible liquid	If yes under which conditions:Open flame, heat, spark. May form explosive air-vapour mixture at elevated temperature.
Auto Ignition Temperature:	N/E	Means of Extinction: carbon dioxide, dry powder, foam type
Flashpoint and Method:	52°C TCC	Hazardous Combustion Products: Oxides of carbon and products of incomplete combustion.
Upper Flammable limit (% vol)	N/Av.	Lower Flammable Limit(% by volume): N/Av.
Explosion Data:	Sensitivity to Mechanical Impact: No	Sensitivity to Static Discharge: N/E

**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?	none known	
Hazardous Decomposition Products:	Oxides of carbon	

N/E: not established

N.Ap.: not applicable

N/Av.: not available

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<b>SECTION VI-TOXICOLOGICAL PROPERTIES OF PRODUCT</b>				
Route of Entry: ALL routes	--SKIN CONTACT --SKIN ABSORPTION --EYE CONTACT --INHALATION --INGESTION			
Effects of Acute Exposure:	Over exposure to vapour may irritate respiratory passages and/or cause dizziness, nausea or headaches. May cause eye and skin irritation. Ingestion may cause gastrointestinal irritation and diarrhea.			
Effects of Chronic Exposure:	None known			
LD 50 of Product:	N/E	LC 50 of Product:	N/E	
Irritancy of Product:	Moderate 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
<b>SECTION VII-PREVENTIVE MEASURES</b>				
Personal Protective Equipment to be used:				
Gloves(specify):	Solvent proof gloves	Eye(specify):	Splash proof eye goggles	
Respiratory(specify):	Maintain adequate ventilation	Clothing:	Not required	
Respiratory Protection:	If used indoors or on a continuous basis, use of cartridge respirator for organic vapour is recommended			
Engineering Controls:	Positive exhaust ventilation required for enclosed area			
Leak and Spill Procedure:	Use absorbent material and place in sealed container, rinse area with plenty of water.			
Waste Disposal:	According to your local and /or provincial regulation			
Storage Requirements:	Keep material at ambient temperature. Keep away from source of heat, spark and ignition.			
Handling Procedures and Equipment:	No special procedure or equipment required.			
DSL listing	All components are listed			
TDG Classification:	Not regulated.			
WHMIS Classification:	B3, D2B			
<b>SECTION VIII-FIRST AID MEASURES</b>				
Eye:	Wash with water for at least 15 minutes. Seek medical help if irritation persists.			
Skin:	Wash with soap and water. Seek medical help if irritation persists			
Inhalation:	Remove to fresh air. Seek medical help.			
Ingestion:	DO NOT INDUCE VOMITING. Give a glass of milk or water. Seek medical help immediately			
<b>SECTION IX-PREPARATION DATE OF M.S.D.S.</b>				
Additional Info/Comments:		Sources Used:		
Phone Number:	(905) 793-4311	Prepared By: Quality Control Laboratory		
Date Prepared:	January 2, 2015.	Kleen-Flo Tumbler Industries Limited		
<b>THIS SHEET SUPERSEDES ANY OTHER M.S.D.S. PREVIOUSLY PREPARED</b>				
N/Av.: not available		N/Ap. : not applicable		N/E: not established