

**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

**SECTION VI-TOXICOLOGICAL PROPERTIES OF PRODUCT**

<b>Route of Entry: ALL routes</b>	--SKIN CONTACT --SKIN ABSORPTION --EYE CONTACT --INHALATION --INGESTION		
<b>Effects of Acute Exposure:</b>	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.		
<b>Effects of Chronic Exposure:</b>	None known		
<b>LD 50 of Product:</b>	N/E	<b>LC 50 of Product:</b>	N/E
<b>Irritancy of Product:</b>	Moderate skin and eye irritant	<b>Exposure Limits of Product:</b>	N/E
<b>Sensitization of Product:</b>	N/E	<b>Toxicologically Synergistic Materials:</b>	N/E
<b>--CARCINOGENICITY --REPRODUCTIVE EFFECTS --TERATOGENICITY --MUTAGENICITY</b>			None known

**SECTION VII-PREVENTIVE MEASURES**

**Personal Protective Equipment to be used:**

<b>Gloves(specify):</b>	Solvent proof gloves	<b>Eye(specify):</b>	Splash proof eye goggles
<b>Respiratory(specify):</b>	Maintain adequate ventilation	<b>Clothing:</b>	Not required
<b>Respiratory Protection:</b>	If used indoors or on a continuous basis, use of cartridge respirator for organic vapour is recommended		
<b>Engineering Controls:</b>	Positive exhaust ventilation required for enclosed area		
<b>Leak and Spill Procedure:</b>	Use absorbent material and place in sealed container, rinse area with plenty of water.		
<b>Waste Disposal:</b>	According to your local and /or provincial regulation		
<b>Storage Requirements:</b>	Keep material at ambient temperature. Keep away form source of heat, spark and ignition.		
<b>Handling Procedures and Equipment:</b>	No special procedure or equipment required.		
<b>DSL listing</b>	All components are listed		
<b>TDG Classification:</b>	Not regulated.		
<b>WHMIS Classification:</b>	B3, D2B		

**SECTION VIII-FIRST AID MEASURES**

<b>Eye:</b>	Wash with water for at least 15 minutes. Seek medical help if irritation persists.
<b>Skin:</b>	Wash with soap and water. Seek medical help if irritation persists
<b>Inhalation:</b>	Remove to fresh air. Seek medical help.
<b>Ingestion:</b>	DO NOT INDUCE VOMITING. Give a glass of milk or water. Seek medical help immediately

**SECTION IX-PREPARATION DATE OF M.S.D.S.**

<b>Additional Info/Comments:</b>	<b>Sources Used:</b>
<b>Phone Number:</b> (905) 793-4311	<b>Prepared By:</b> Quality Control Laboratory
<b>Date Prepared:</b> January 2, 2012.	Kleen-Flo Tumbler Industries Limited

**THIS SHEET SUPERSEDES ANY OTHER M.S.D.S. PREVIOUSLY PREPARED**

N/Av.: not available

N/Ap. : not applicable

N/E: not established