

**SECTION I-MATERIAL IDENTIFICATION AND USE**

Material Name/Identifier:	Rub 'n Rinse Hand Cleaner	Stock No.	543
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/A (mixture)	Chemical Family:	N/A (mixture)
Chemical Formula:	N/A (mixture)	Trade Names & Synonyms:	None
Material Use:	Hand Cleaner	Molecular Weight:	N/A

**SECTION II-HAZARDOUS INGREDIENTS OF MATERIAL**

Hazardous Ingredients	C.A.S.	Approximate Concentration	LD50 Species & Route	LC50 Species & Route
Undeceth - 7	34398-01-1	1-5 %	N/Av.	N/Av.
Undeceth - 3	68551-12-2	1-5 %	N/Av.	N/Av.
Pumice	1332-09-8	5-10 %	N/Av.	N/Av.
Petrolatum	8009-03-8	1-5 %	N/Av.	N/Av.
D-limonene	5989-27-5	5-10 %	N/Av.	N/Av.
Propylene Glycol	57-55-6	1-5 %	N/Av.	N/Av.
Sodium hydroxide	1310-73-2	0.1-1 %	N/Av.	N/Av.

**SECTION III-PHYSICAL DATA FOR MATERIAL**

Physical State:	paste	Odour/Appearance:	Mild citrus odour/Off-white gel.
Specific Gravity:	0.95 - 1.1	Odour Threshold(p.p.m.):	N/E
Boiling Point:	N/Av.	Evaporation Rate:	N/E
Freezing Point:	N/Av.	Solubility in Water:	Soluble
% Volatile(by Weight):	N/E	Vapour Pressure(mm)Hg:	N/E
Vapour Density(Air=1):	N/E	Coefficient of Water/Oil Distribut:	N/E
pH	6.5 -7.5		

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

Flammability Yes/No	NO	If yes under which conditions:	N/Av.
Auto Ignition Temperature:	N/E	Means of Extinction:	Carbon dioxide, dry chemicals, foam
Flashpoint and Method:	> 99 oC PMCC	Hazardous Combustion Products:	Hydrocarbon fumes Carbon dioxide.
Upper Flammable limit (%vol)	N/Av.	Lower Flammable Limit(% by volume):	N/Av.
Explosion Data:	Sensitivity to Mechanical Impact: NO	Sensitivity to Static Discharge:	NO

**SECTION V-REACTIVITY DATA**

Chemical Stability Yes/No:	Yes	If NO under which conditions?	
Incompatibility to Other Substances Yes/No:	Yes	If so which ones?	Strong oxidizers, acids
Reactivity and under what conditions?	Stable under normal conditions		
Hazardous Decomposition Products:	Carbon monoxide or carbon dioxide on burning		

N/E: not established

N.Ap.: not applicable

N/Av.: not available

**SECTION VI-TOXICOLOGICAL PROPERTIES OF PRODUCT**

<b>Route of Entry:</b>	--SKIN CONTACT --SKIN ABSORPTION --EYE CONTACT --INHALATION --INGESTION		
<b>Effects of Acute Exposure:</b>	Moderate to severe eye irritation. Non irritating to skin under normal condition but person sensitized to d-limonene may have a reaction when exposed to this product. Ingestion may cause upset stomach, nausea.		
<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>	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>	Not required during normal use	<b>Eye(specify):</b>	Not required, Avoid contact with Eyes
<b>Respiratory(specify):</b>	Not required during normal use	<b>Clothing:</b>	Not required
<b>Respiratory Protection:</b>	Not required during normal use		
<b>Engineering Controls:</b>	Local and mechanical ventilation.		
<b>Leak and Spill Procedure:</b>	Use inert absorbent materials for large spills. Mop remainder with water.		
<b>Waste Disposal:</b>	Standard methods approved in your area by government bodies.		
<b>Storage Requirements:</b>	Store below 49°C. Do not freeze.		
<b>Handling Procedures and Equipment:</b>	Handle all chemicals with care. Keep away from children. Do not ingest. Keep container closed when not in use. Avoid contact with eyes.		
<b>TDG Classification:</b>	Not Regulated		
<b>WHMIS Classification:</b>	Non Controlled		

**SECTION VIII-FIRST AID MEASURES**

<b>Eye:</b>	Flush with plenty of water for 15 minutes. Consult a physician if irritation persists.
<b>Skin:</b>	Wash with plenty water. Consult physician if irritation persist.
<b>Inhalation:</b>	No adverse effects anticipated under normal use.
<b>Ingestion:</b>	Drink water to dilute. DO NOT INDUCE VOMITING. Seek medical attention immediately.

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

<b>Additional Info/Comments:</b>		<b>Sources Used:</b> Supplier's data
<b>Phone Number:</b>	(905) 793-4311	<b>Prepared By:</b> Quality Control Laboratory
<b>Date Prepared:</b>	January 16, 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