

Kleen Flo Tumbler Ind. Ltd.
75 Advance Boulevard
Brampton, Ontario, L6T-4N1
Canada
905-793-4311

PRODUCT: Grim Fighter Waterless Hand Cleaner**SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Stock Number.....010
Product Identity.....Grim Fighter Waterless Hand Cleaner
Manufacturer.....Kleen Flo Tumbler Ind. Ltd.
75 advance Blvd
Brampton Ontario
Canada L6T 4H6
905-793-4311
24 hour emergency telephone number.....Call CANUTEC (613) 996-6666
Recommended Use.....Hand Cleaner.
Chemical Family.....Mixture.

SECTION 02: HAZARDS IDENTIFICATION

Hazard Classification:
Physical Hazards.....Gases Under Pressure - Liquefied Gas . Aerosols - Category 3.
Health Hazards.....Skin Sensitization - Category 1. Eye Damage/Irritation - Category 2B.
Environmental Hazards.....Not Classified.
Label Elements:
Signal Word.....WARNING.
Hazard Statement.....Pressurized container: may burst if heated. Contains gas under pressure; may explode if heated. May cause an allergic skin reaction. Causes eye irritation.
Precautionary Statements:
Prevention.....Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not pierce or burn, even after use. Avoid breathing dust/fume/gas/mist/vapours/spray. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves.
Response.....IF ON SKIN: Wash with plenty of soap and water. If Skin Irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
Storage.....Protect from sunlight. Do not expose to temperatures exceeding 50°C /122°F.
Disposal.....Dispose of contents/ container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC).. This product contains latex, if you are allergic to latex, do not use the product.

SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	WT. %
SBR (Styrene Butadiene Rubber)	9003-55-8	40-70
Isobutane	75-28-5	5-10
Propane	74-98-6	3-7
Di-2ethylhexyl Adipate	103-23-1	0.1-1
Fragrance	mix	0.1-1

SECTION 04: FIRST AID MEASURES

Inhalation.....If any irritations persist, stop using product and supply fresh air.
Skin Contact.....If irritation develops or persists, discontinue use . Wash thoroughly with soap and lukewarm water.
Eye Contact.....Check for and remove contact lenses. Immediately flush eyes with water for a minimum of 15 minutes keeping eyelids open. Consult a doctor if any irritation occurs.
Ingestion.....If swallowed, call a Poison Control Center or doctor immediately. Do not induce vomiting.

PRODUCT: Grim Fighter Waterless Hand Cleaner**Stock #: 010****SECTION 04: FIRST AID MEASURES**

Most important symptoms/effects, acute and Direct eye contact may cause temporary eye irritation.
 delayed
 Indication of immediate medical attention and This product contains latex.
 special treatment needed

SECTION 05: FIRE FIGHTING MEASURES

Suitable Extinguishing Media..... Dry chemical powder. Carbon dioxide. Foam, water spray or fog.
 Unsuitable Extinguishing Media..... Do not use water jet as an extinguisher, as this will spread the fire.
 Specific Hazards Arising from the Chemical. Contents under pressure. Pressurized container may explode when exposed to heat or flame.
 Special Protective Equipment and Firefighters must use standard protective equipment including flame retardant coat, helmet
 Precautions for Firefighters with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.
 General Fire Hazards..... N/A.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Avoid walking through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 08).
 Methods and Materials for Containment and Cleaning Up Spill areas may be slippery. Use care to avoid falls or other accidents. Contain the spill. Clean up the spill area with detergent and water. Once spilled material has been collected, use rags or other suitable material to clean spill area. Rags should be properly disposed off.
 Environmental Precautions..... Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

SECTION 07: HANDLING AND STORAGE

Precautions for Safe Handling..... Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.
 Conditions for Safe Storage including any ... Store locked up. Pressurized container. Protect from sunlight and do not expose to Incompatibilities temperatures exceeding 50°C (122°F). Do not puncture, incinerate or crush.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	ACGIH TLV		OSHA PEL		NIOSH
	TWA	STEL	PEL	STEL	
SBR (Styrene Butadiene Rubber)	Not available	Not available	Not available	Not available	Not available
Isobutane	800 ppm	1000 ppm	800 ppm	Not available	800 ppm (TWA)
Propane	2,500 ppm	Not available	1,000 ppm	Not available	1,000 ppm
Di-2ethylhexyl Adipate	Not established	Not available	Not available	Not available	Not available
Fragrance	Not available	Not available	Not available	Not available	Not available
Appropriate Engineering Controls.....	Not required for intended use - in confined spaces ensure that there is adequate ventilation.				
Individual Protection Measures:					
Eye/Face Protection.....	Not normally required.				
Skin Protection.....	Not normally required.				
Respiratory Protection.....	Not normally required if good ventilation is maintained .				
Thermal Hazards.....	None Known.				
General Hygiene Considerations.....	N/A.				

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Form..... Aerosol.
 Physical Appearance..... White foam.
 Odor..... Citrus.
 Odor Threshold (ppm)..... N/A.
 Specific Gravity..... 0.950-1.050.

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Aerosol Vapour Pressure (psig, 21°C)..... 20-30.
 Vapour Density (Air=1)..... N/A.
 pH..... 10-11.
 Boiling Point liquid (°C)..... N/A.
 Melting/Freezing Point (°C)..... N/A.
 Flash Point (°C), Method..... None.
 Flashback..... No.
 Evaporation Rate (n-Butyl Acetate = 1)..... Slow.
 VOC Content..... N/A.
 Solubility in water..... Soluble.
 Aerosol Flame Projection..... No data.
 Auto Ignition Temperature (°C)..... 460°C (860°F). (propellant).
 Lower Flammable Limit (% Vol)..... 1.4. (propellant).
 Upper Flammable Limit (% Vol)..... 8.5. (propellant).
 Coefficient of Water/Oil Distribution..... N/A.
 Viscosity..... N/A.

SECTION 10: STABILITY AND REACTIVITY

Reactivity Product not reactive under normal conditions of use.
 Chemical Stability..... Material is stable under normal conditions.
 Possibility of Hazardous Reactions..... Will not occur.
 Conditions to Avoid..... Avoid sources of heat and flame, and electrostatic charge.
 Incompatible Materials..... Strong oxidizing agents.
 Hazardous Decomposition Products..... Carbon Oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
SBR (Styrene Butadiene Rubber)	Not available	Not available
Isobutane	658 mg/L (4hrs,Rat)	Not available
Propane	>800,000 ppm (15 min,Rat)	Not available
Di-2ethylhexyl Adipate	Not available	9110 mg/kg RATS
Fragrance	No data available	No data available
Information on Likely Routes of Exposure:		
Routes of entry - Inhalation.....	May cause irritation of respiratory tract.	
Routes of entry - Skin & Eye.....	May cause irritation.	
Routes of entry - Ingestion.....	May cause irritation.	
Routes of entry - Skin Absorption.....	No.	
Symptoms Related to the Physical, Chemical and Toxicological Characteristics		
Acute Toxicity.....	Skin contact may cause irritation. Irritating to the eyes.	
Skin Corrosion/Irritation.....	Causes mild skin irritation. Prolonged contact may be more irritating.	
Serious Eye Damage/Eye Irritation.....	Direct contact with eyes causes temporary irritation.	
Respiratory or Skin Sensitization.....	May cause sensitization by skin contact.	
Germ Cell Mutagenicity.....	No data available to indicate product or any components present at greater than 0.1% are mutagenic.	
Carcinogenicity.....	N/A.	
Reproductive Toxicity.....	Contains no ingredient listed as toxic to reproduction.	
STOT - Single Exposure.....	Not classified.	
STOT - Repeated Exposure.....	Not classified.	
Aspiration Hazard.....	N/A.	
Chronic Effects.....	Prolonged or repeated contact may cause allergic reactions in very susceptible persons.	

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity..... Complete information is not yet available. This product has not been tested. Based on information available on its ingredients, no adverse environmental impact is anticipated under intended use in accordance with instructions .
 Persistence and degradability The product itself has not been tested.
 Bioaccumulation Potential..... The product itself has not been tested.
 Mobility in Soil..... The product itself has not been tested.
 Other Adverse Effects..... None Known.

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SECTION 13: DISPOSAL CONSIDERATIONS

Appropriate Disposal Methods..... Contents under pressure. Do not puncture, incinerate or expose to heat, even when empty.

SECTION 14: TRANSPORT INFORMATION

TDG (Canada- Road)..... AEROSOLS, Class 2.2, UN1950.
 DOT (US-Road)..... AEROSOLS, Class 2.2, UN1950, LTD QTY, Consumer Commodity ORM-D.
 IMDG (International- Marine)..... AEROSOLS, Class 2.2, UN1950.
 IATA (International- Air)..... AEROSOLS, Class 2.2, UN1950, LTD QTY .

SECTION 15: REGULATORY INFORMATION

Canada Regulations:..... WHMIS Classification. A: Compressed gas. D2B: Material causing other toxic Materials.
 Canadian Environmental Protection Act All ingredients listed appear on the Domestic Substances List (DSL).
 (CEPA)
 US Regulations
 TSCA Inventory Status..... All components are listed on TSCA .
 California Proposition 65..... This product does not contain any chemical(s) known to the state of California to cause cancer or reproductivity toxicity.

SECTION 16: OTHER INFORMATION

Disclaimer..... The information contained herein is based on data considered accurate. No guarantee or warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. The SDS provider assumes no responsibility for personal injury or property damage to vendees or users or third parties, caused by the material. Such vendees or users assume all risks with the use of the material. This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR. THIS SDS IS VALID FOR THREE YEARS.

Abbreviations..... ACGIH: American Conference of Governmental Industrial Hygienists; CAS: Chemical Abstract Service; NIOSH: National Institute for Occupational Safety and Health, OSHA: Occupational Safety and Health Administration- USA; TSCA: Toxic Substances Control Act 1976-USA; PEL: Permissible Exposure Limit; REL: Recommended Exposure Limit; TLV: Threshold Limit Value; VOC: Volatile Organic Content; WHMIS: Workplace Hazardous Materials Information System STOT: Specific Target Organ Toxicity.

Prepared by Kleen-Flo Tumbler Ind. Ltd.
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