

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

Product Name: Feel Fresh Hand Sanitizer, 2.0 Fl. oz (60ml)
Brand Number: 03470, 03471

Product Use: Hand sanitizer

WHMIS Class: Exempt - Registered product - (DIN 02245702)

TDG Classification: ETHANOL SOLUTION; Class 3; UN1170; PGIII

Manufacturer/Supplier: Kruger Products Limited
P.O. Box 1500
200-1900 Minnesota Court
Mississauga, ON L5N 3C9 CA
Phone (905) 812-6900
Emergency Phone: 1-800-328-0026

LEGEND HMIS/NFPA		Health	Flammability	Physical Hazard	Personal Protection
Severe	4	/	3	0	A
Serious	3				
Moderate	2				
Slight	1				
Minimal	0				



SECTION II - HAZARDOUS INGREDIENTS

<u>In</u> gredient(s)	<u>CAS #</u>	<u>Wt%</u>	<u>ACGIH-TLV</u>	<u>LC50</u>	<u>Oral LD50</u>
Ethanol	64-17-5	40 - 70	1000 ppm - TWA	31623 ppm rat	7060 mg/kg rat

SECTION III - PHYSICAL DATA

Boiling Point:	> 78 °C (> 172.40 °F)	Specific Gravity:	0.91 (H2O = 1)
Freezing Point:	Not available	Coefficient of Water/Oil Distribution:	Not available
Vapour Pressure:	Not available	% Volatile:	Not available
Vapour Density:	Not available	Evaporation Rate:	Not available
Solubility in Water:	Complete	pH:	6.45
Physical State:	Liquid	Viscosity:	Not available
Appearance:	Clear, colourless	Odour Threshold:	Not available
Odour:	Alcohol.		

SECTION IV - FIRE AND EXPLOSION DATA

Flammability:	Flammable by WHMIS criteria.		
Flash Point (TCC):	24 °C (75.20 °F)	LEL: 3.3 (Ethanol)	UEL: 19 (Ethanol)
Hazardous Combustion Products:	May include and are not limited to: Oxides of carbon.		
Autoignition Temperature:	Not available		
Explosion Data:			
Sensitivity to Mechanical Impact:	Not available		
Sensitivity to Static Discharge:	Not available		
Means of Extinction:	Dry chemical. Foam. Alcohol foam. Carbon dioxide.		
Special Fire Hazards:	Firefighters should wear a self-contained breathing apparatus.		

SECTION V - REACTIVITY DATA

Conditions for Chemical Instability:	Stable under recommended storage conditions.
Incompatible Materials:	Caustics. Acids. Oxidizers.
Reactivity:	Do not mix with other chemicals.
Hazardous Decomposition Products:	May include and are not limited to: Oxides of carbon when heated to decomposition.

SECTION VI - TOXICOLOGICAL PROPERTIES

Route of Entry: Eye. Inhalation. Ingestion.

EFFECTS OF ACUTE EXPOSURE:

- Eye:** May cause irritation.
- Skin:** Not a normal route of harmful exposure.
- Inhalation:** May cause respiratory tract irritation.
- Ingestion:** May cause stomach distress, nausea or vomiting.

EFFECTS OF CHRONIC EXPOSURE:

- Skin:** Prolonged or repeated exposure can cause drying, defatting and dermatitis.

Irritancy:	May cause irritation.
Respiratory Tract Sensitization:	Non-hazardous by WHMIS criteria.
Carcinogenicity:	Non-hazardous by WHMIS criteria.
Teratogenicity:	Non-hazardous by WHMIS criteria.
Mutagenicity:	Non-hazardous by WHMIS criteria.
Reproductive Effects:	Non-hazardous by WHMIS criteria.
Synergistic Materials:	Not available

SECTION VII - PREVENTATIVE MEASURES

Gloves:	Not normally required when used as directed.
Eye Protection:	Safety glasses.
Respiratory Protection:	Not normally required if good ventilation is maintained.
Other Protective Equipment:	As required by employer code.
Engineering Controls:	General ventilation normally adequate.
Leak and Spill Procedure:	Remove sources of ignition. Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.
Waste Disposal:	Review federal, provincial, and local government requirements prior to disposal.
Handling Requirements:	Use good industrial hygiene practices in handling this material.
Storage Requirements:	Keep out of reach of children. Store in a closed container away from incompatible materials. Keep away from heat, open flames or other sources of ignition.

SECTION VIII - FIRST AID

Eye:	Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.
Skin:	Not a normal route of harmful exposure. Flush with water. In case of skin irritation, discontinue use of product.
Inhalation:	If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
Ingestion:	Do not induce vomiting. Rinse mouth with water, then drink one or two glasses of water. Obtain medical attention. Never give anything by mouth if victim is unconscious, or is convulsing.

SECTION IX - PREPARATION INFORMATION

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Expiry Date: 15-Feb-2009

Prepared By: Dell Tech Laboratories Ltd. (519) 858-5021

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