

# MATERIAL SAFETY DATA SHEET

## SECTION I – PRODUCT & COMPANY IDENTIFICATION

**Product Name:** Hands Fresh® Lotion Spray Soap – 03475  
**Product Use:** Hand cleaner  
**Manufacturer:** Technical Concepts Bentfield B.V.  
**Address:** Ampèrestraat 12,  
2181 HB Hillegom, Netherlands  
**Telephone Number:** +31 (0)252 621221  
**Fax:** +31 (0)252 621171  
**Supplier:** Kruger Products Limited  
**Address:** 200-1900 Mississauga Court  
Mississauga, ON L5N 3C9  
**Telephone Number:** 905-812-6900  
**Fax:** 905-812-6910

## SECTION 2 – HAZARDOUS INGREDIENTS

Ingredients	CAS#	Wt%	ACGIH-TLV 8 hr TWA	LC <sub>50</sub> (4 hours, Rat)	LD <sub>50</sub> (Dermal, Rabbit)	LD <sub>50</sub> (Oral, Rat)
Not applicable to Notified Cosmetics. Mixture of water, mild surfactants, perfume and preservative.						

See product label for additional information.

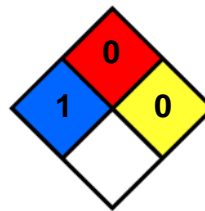
## SECTION 3 – HAZARDS

**Emergency Overview:** MAY IRRITATE EYES.

**WHMIS:** Exempt – Notified Cosmetic

**HMIS & NFPA:**

<b>HEALTH</b>	1
<b>FLAMMABILITY</b>	0
<b>PHYSICAL HAZARD</b>	0
<b>PPE</b>	X



Legend	
Extreme Danger	4
Serious	3
Moderate	2
Slight	1
Minimal	0
Chronic	*

**TDG/DOT:** NOT REGULATED

**Target Organs:** Eyes, skin.

## SECTION 4 - FIRST AID MEASURES

**Eyes:** Immediately flush eye(s) with lukewarm, gently flowing water for at least 20 minutes, while holding the eyelid(s) open. Obtain medical attention.

**Skin:** If irritation develops discontinue use. Flush skin with plenty of water. If irritation persists obtain medical attention.

**Inhalation:** Move victim to fresh air. Obtain medical attention.

**Ingestion:** Obtain medical attention immediately. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration.

Notice: Information for this MSDS was obtained from sources considered accurate and reliable. The above information is believed to be correct but does not purport to be all inclusive and should be used only as a guide. As conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained in accordance with all applicable occupational health and safety requirements. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this MSDS.

## SECTION 5 - FIRE FIGHTING MEASURES

**Flash Point (°C - TCC):** Not applicable      **LEL:** Not available      **UEL:** Not available

**Hazardous Combustion Products:** Oxides of carbon.

**Autoignition Temperature (°C):** Not available.

**Extinguishing Media:** Dry chemical, carbon dioxide.

**Fire Fighting Procedures:** Fire-fighters should wear full protective gear with self-contained breathing apparatus (SCBA).

**Fire and Explosion Hazards:** Not flammable.

**Sensitivity to Mechanical Impact:** Not available.

**Sensitivity to Static Discharge:** Not available.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Before attempting clean-up, refer to Section 8 personal protection. Contact emergency services and supplier for advice.

**Spill Response:** The spill should be handled by qualified personnel only. Contain spill. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. Cover spill with a non-combustible material such as vermiculite or other commercially available inorganic absorbent. Cover spill with absorbent until it appears dry. Collect the spilled material and clean up the area. Place waste materials in a closed container suitable for disposal. Refer to Section 13 for disposal considerations.

## SECTION 7 – HANDLING & STORAGE

**Handling:** Read product label. For external use only. Use as directed. Avoid contact with incompatible materials. Do not get in eyes. Do not swallow. Remove contaminated clothing and discard or wash before reuse. Maintain good industrial hygiene practices.

**Storage:** Keep out of reach of children. Keep container closed. Store in a cool, dry, well-ventilated area. Store away from incompatible materials. Maintain good industrial hygiene practices.

## SECTION 8 – PERSONAL PROTECTIVE EQUIPMENT & EXPOSURE CONTROLS

**Eye/Face Protection:** Not normally required.

**Hand Protection:** Not applicable. If irritation develops discontinue use.

**Skin Protection:** Not normally required.

**Respiratory Protection:** Not normally required.

**Ingestion:** Do not swallow. Do not eat, drink or smoke when using this product.

**Ventilation:** Use only in a well-ventilated area.

**Engineering Controls:** Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below exposure limits. Have a safety shower and eye-wash fountain readily available in the immediate work area.

**EXPOSURE LIMITS:**

<u>Chemical Name</u>	<u>ACGIH TLV – 15 min STEL</u>	<u>ACGIH TLV – 8 hr TWA</u>	<u>OSHA PEL - 8 hr TWA</u>
Soap	Not available	10 mg/m <sup>3</sup> (mist)	10 mg/m <sup>3</sup> (mist)

**SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES**

<b>Physical State:</b> Liquid	<b>Appearance; Odour:</b> Pink; pleasant
<b>pH (100%):</b> 5.5 – 6.5	<b>Flash Point (°C - TCC):</b> Not applicable
<b>Vapour Density (Air = 1):</b> Not available	<b>Autoignition Temperature (°C):</b> Not available
<b>Volatiles (Wt%):</b> Not available	<b>Evaporation Rate (Ether =1):</b> Not available
<b>Viscosity:</b> Not available	<b>Upper Explosive Limit (UEL):</b> Not available
<b>Solubility in Water:</b> Complete	<b>Lower Explosive Limit (LEL):</b> Not available
<b>Vapour Pressure:</b> Not available	<b>Freezing/Melting Point (°C):</b> Not available
<b>Boiling Point (°C):</b> >100	<b>Specific Gravity (water =1):</b> 1.025 – 1.035
<b>Odour Threshold (ppm):</b> Not available	<b>Coefficient of water/oil:</b> Not available

**SECTION 10 – STABILITY & REACTIVITY**

**Chemical stability:** Stable. Hazardous polymerization will not occur.

**Incompatible Materials:** Oxidizing agents, acids.

**Conditions to Avoid:** None known.

**Hazardous Decomposition Products:** Oxides of carbon.

**SECTION 11 - TOXICOLOGICAL INFORMATION**

**Routes of Entry:** Eyes, Skin, Inhalation, Ingestion

**HEALTH EFFECTS FROM ACUTE EXPOSURE:**

**Eyes:** May cause irritation. Symptoms may include pain, tearing and redness.

**Skin:** May cause irritation. If symptoms develop discontinue use.

**Inhalation:** May cause respiratory tract irritation.

**Ingestion:** May cause stomach distress, nausea or vomiting.

<b>ACUTE TOXICITY DATA:</b>		<u>Rat - Inhalation 4 hours Lethal Concentration 50%</u>	<u>Rabbit – Dermal Lethal Dose 50%</u>	<u>Rat - Ingestion Lethal Dose 50%</u>
<u>Chemical</u>	<u>RTECS #</u>	<u>LC<sub>50</sub></u>	<u>LD<sub>50</sub></u>	<u>LD<sub>50</sub></u>
Soap	Not available	Not available	Not available	Not available

**HEALTH EFFECTS FROM CHRONIC EXPOSURE:** Insufficient data available.

**Aggravation of Pre-existing Conditions:** Insufficient data available.

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

**Irritancy:** May cause irritation.

**Sensitization:** Insufficient data available.

**Reproductive Effects:** Insufficient data available.

**Teratogenicity:** Insufficient data available.

**Mutagenicity:** Insufficient data available.

**Carcinogenicity:** Insufficient data available.

**Toxicologically Synergistic Materials:** Not available.

## SECTION 12 - ECOLOGICAL INFORMATION

**Environmental Effects:** Not available.

**Ecotoxicity data:** Not available.

**Ecofate Data:** Not determined.

## SECTION 13 – DISPOSAL CONSIDERATIONS

**Disposal:** Consult applicable regulations and authorities prior to disposal.

## SECTION 14 - TRANSPORTATION

**Canada Transportation of Dangerous Goods (TDG):** NOT REGULATED

**United States Department of Transportation (DOT):** NOT REGULATED

## SECTION 15 - REGULATORY INFORMATION

**CANADA:** This controlled product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and this MSDS contains all the information required by the CPR.

**Food and Drugs Act (FDA):** NOTIFIED COSMETIC.

**WHMIS Classification:** EXEMPT – Notified Cosmetic. Refer to product label.

## SECTION 16 - OTHER INFORMATION

**MSDS Prepared by:** TSG Canada Inc. Technical Service. Contact supplier.

**Effective Date:** November 15, 2008

**Expiry Date:** November 15, 2011