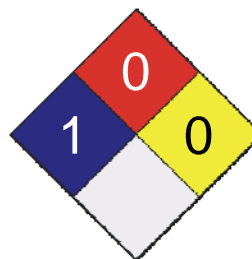


## 1. Product and Company Identification

**Product Name** HandsFresh® Luxury Foam Soap - 03400  
**CAS #** Mixture  
**Product use** Hand cleaner  
**Manufacturer** Technical Concepts Bentfield B.V.  
 Ampèrestraat 12  
 2181 HB Hillegom, Netherlands  
 Phone: + 31 (0) 252 623 294  
**Supplier** Kruger Products L.P.  
 200-1900 Minnesota Court  
 Mississauga, Ontario L5N 5R5, Canada  
 Phone: 905-812-6900  
 Fax: 905-812-6910  
 Emergency Phone: 1-800-328-0026

LEGEND HMIS/NFPA	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Health	/ 1
Flammability	0
Physical Hazard	0
Personal Protection	X



## 2. Hazards Identification

**Emergency overview** CAUTION  
 MAY IRRITATE EYES.  
 KEEP OUT OF REACH OF CHILDREN.

**Potential short term health effects**

**Routes of exposure** Eye, Skin contact, Inhalation, Ingestion.  
**Eyes** May cause irritation.  
**Skin** May cause irritation.  
**Inhalation** May cause respiratory tract irritation.  
**Ingestion** May cause stomach distress, nausea or vomiting.

**Target organs** Eyes.

**Chronic effects** Prolonged or repeated exposure can cause drying, defatting and dermatitis.

**Signs and symptoms** Symptoms may include redness, edema, drying, defatting and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

**OSHA Regulatory Status** This cosmetic product is in compliance with Title 21 of the Code of Federal Regulations, Part 701 and 740.

**Potential environmental effects** Components of this product have been identified as having potential environmental concerns.

## 3. Composition / Information on Ingredients

Ingredient(s)	CAS #	Percent
Sodium Laureth Sulfate	68891-38-3	5 - 10
Cocamidopropyl betaine	61789-40-0	1 - 5
PEG-200 Hydrogenated Glyceryl Palmate	67784-88-7	1 - 5
PEG-7 Glyceryl Cocoate	68201-46-7	1 - 5
<b>Composition comments</b>	Not applicable to notified cosmetics. Refer to product label for ingredient content.	

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## 4. First Aid Measures

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### First aid procedures

<b>Eye contact</b>	Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.
<b>Skin contact</b>	Flush with water. In case of skin irritation, discontinue use of product.
<b>Inhalation</b>	Move victim to fresh air. If symptoms persist, obtain medical attention.
<b>Ingestion</b>	Do not induce vomiting. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration.
<b>Notes to physician</b>	Symptoms may be delayed.
<b>General advice</b>	If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Keep out of reach of children.

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## 5. Fire Fighting Measures

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<b>Flammable properties</b>	Not flammable by WHMIS/OSHA criteria.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Dry chemical. Carbon dioxide.
<b>Unsuitable extinguishing media</b>	Not available
<b>Protection of firefighters</b>	
<b>Specific hazards arising from the chemical</b>	Not available
<b>Protective equipment for firefighters</b>	Firefighters should wear full protective clothing including self contained breathing apparatus.
<b>Hazardous combustion products</b>	May include and are not limited to: Oxides of carbon. Oxides of nitrogen. Oxides of sulphur.
<b>Explosion data</b>	
<b>Sensitivity to mechanical impact</b>	Not available
<b>Sensitivity to static discharge</b>	Not available

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## 6. Accidental Release Measures

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<b>Personal precautions</b>	Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.
<b>Environmental precautions</b>	Not available
<b>Methods for containment</b>	Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.
<b>Methods for cleaning up</b>	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. Never return spills in original containers for re-use.

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## 7. Handling and Storage

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<b>Handling</b>	Use according to package label instructions. For external use only. DO NOT get in eyes. Do not ingest. Use good industrial hygiene practices in handling this material.
<b>Storage</b>	Keep out of reach of children. Store in a cool, dry, well-ventilated place away from incompatible materials. Protect from freezing. Avoid excessive heat.

## 8. Exposure Controls / Personal Protection

### Exposure limits

Ingredient(s)	Exposure Limits
Cocamidopropyl betaine	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established
PEG-200 Hydrogenated Glyceryl Palmate	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established
PEG-7 Glyceryl Cocoate	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established
Sodium Laureth Sulfate	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established

### Engineering controls

General ventilation normally adequate.

### Personal protective equipment

#### Eye / face protection

Not normally required when used as directed.

#### Hand protection

Not applicable. In case of skin irritation, discontinue use of product.

#### Skin and body protection

As required by employer code.

#### Respiratory protection

Not normally required.

#### General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and Chemical Properties

Appearance	Opaque.
Color	White
Form	aqueous solution
Odor	Fragrant
Odor threshold	Not available
Physical state	Liquid
pH	6.2 (100%)
Melting point	32.00 °F (0 °C)
Freezing point	32.00 °F (0 °C)
Boiling point	> 212.00 °F (> 100 °C)
Pour point	Not available
Evaporation rate	Not available
Flash point	None
Auto-ignition temperature	Not applicable
Flammability limits in air, lower, % by volume	Not applicable
Flammability limits in air, upper, % by volume	Not applicable
Vapor pressure	Not available
Vapor density	Not available
Specific gravity	1.03 (Water = 1)
Octanol/water coefficient	Not available
Solubility (H2O)	Appreciable

Viscosity	Slightly viscous
Percent volatile	Not available

## 10. Stability and Reactivity

Reactivity	This product may react with strong acids.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Do not mix with other chemicals.
Incompatible materials	Caustics. Acids. Oxidizers.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon. Oxides of nitrogen. Oxides of sulphur.

## 11. Toxicological Information

### Component analysis - LC50

Ingredient(s)	LC50
Cocamidopropyl betaine	Not available
PEG-200 Hydrogenated Glyceryl Palmate	Not available
PEG-7 Glyceryl Cocoate	Not available
Sodium Laureth Sulfate	94869 mg/l/4h rat

### Component analysis - Oral LD50

Ingredient(s)	LD50
Cocamidopropyl betaine	2700 mg/kg rat
PEG-200 Hydrogenated Glyceryl Palmate	Not available
PEG-7 Glyceryl Cocoate	Not available
Sodium Laureth Sulfate	1967 mg/kg rat

### Effects of acute exposure

Eye	May cause irritation.
Skin	May cause irritation.
Inhalation	May cause respiratory tract irritation.
Ingestion	May cause stomach distress, nausea or vomiting.
Sensitization	The finished product is not expected to have chronic health effects.
Chronic effects	The finished product is not expected to have chronic health effects.
Carcinogenicity	The finished product is not expected to have chronic health effects.
Mutagenicity	The finished product is not expected to have chronic health effects.
Reproductive effects	The finished product is not expected to have chronic health effects.
Teratogenicity	The finished product is not expected to have chronic health effects.

Name of Toxicologically Synergistic Products Not available

## 12. Ecological Information

Ecotoxicity See below

### Ecotoxicity - Freshwater Algae - Acute Toxicity Data

Cocamidopropyl betaine 61789-40-0 72 Hr EC50 Desmodesmus subspicatus: 1.0 - 10.0 mg/L; 96 Hr EC50 Desmodesmus subspicatus: 0.55 mg/L

### Ecotoxicity - Freshwater Fish - Acute Toxicity Data

Cocamidopropyl betaine 61789-40-0 96 Hr LC50 Brachydanio rerio: 1.0-10.0 mg/L; 96 Hr LC50 Brachydanio rerio: 2 mg/L [semi-static]

### Ecotoxicity - Water Flea - Acute Toxicity Data

Cocamidopropyl betaine 61789-40-0 48 Hr EC50 Daphnia magna: 6.5 mg/L

Persistence / degradability	Not available
Bioaccumulation / accumulation	Not available
Mobility in environmental media	Not available
Environmental effects	Not available

<b>Aquatic toxicity</b>	Not available
<b>Partition coefficient</b>	Not available
<b>Chemical fate information</b>	Not available
<b>Other adverse effects</b>	Not available

### 13. Disposal Considerations

<b>Disposal instructions</b>	Dispose in accordance with all applicable regulations.
<b>Waste from residues / unused products</b>	Not available
<b>Contaminated packaging</b>	Not available

### 14. Transport Information

#### U.S. Department of Transportation (DOT)

Not regulated as dangerous goods.

#### Transportation of Dangerous Goods (TDG - Canada)

Not regulated as dangerous goods.

### 15. Regulatory Information

<b>Canadian federal regulations</b>	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.
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<b>WHMIS classification</b>	Exempt - Notified cosmetic under the Food & Drugs Act
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#### Occupational Safety and Health Administration (OSHA)

<b>29 CFR 1910.1200 hazardous chemical</b>	Yes
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<b>US Federal regulations</b>	This cosmetic product is in compliance with Title 21 of the Code of Federal Regulations, Part 701 and 740.
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#### CERCLA (Superfund) reportable quantity

None

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

<b>Hazard categories</b>	Immediate Hazard - Yes Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
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<b>Section 302 extremely hazardous substance</b>	No
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<b>Section 311 hazardous chemical</b>	Yes
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<b>Clean Air Act (CAA)</b>	Not available
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<b>Clean Water Act (CWA)</b>	Not available
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<b>State regulations</b>	This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.
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#### Inventory name

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

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## 16. Other Information

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<b>Disclaimer</b>	Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. 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 document.
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<b>Other information</b>	For an updated MSDS, please contact the supplier/manufacture listed on the first page of the document.