

# SAFETY DATA SHEET

## ARMCHEM Alcohol Foam Hand Sanitizer

### 1. Identification

#### Product identifier

**Product name** ARMCHEM Alcohol Foam Hand Sanitizer  
**Product number** IFS1LARMTF  
**Internal identification** AFS70

#### Recommended use of the chemical and restrictions on use

**Application** Hand sanitizer.

#### Details of the supplier of the safety data sheet

**Supplier** ArmchemInternational  
3563 N.W. 53 Court  
Fort Lauderdale, FL 33309  
1-800-866-0423

**Manufacturer** DEB Worldwide Healthcare Inc  
76 Adams Boulevard  
Brantford  
Ontario  
N3S 7V2  
Telephone: 519-759-1051  
Fax: 519-759-6384

#### Emergency telephone number

**Emergency telephone** Chemtrec 800 424 9300 (24 hour)

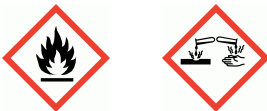
### 2. Hazard(s) identification

#### Classification of the substance or mixture

**Environmental** The product contains a substance which has a photochemical ozone creation potential.  
**Physicochemical** The product is highly flammable. Vapors may form explosive mixtures with air.

#### Label elements

##### Pictogram



**Signal word** Danger

**Hazard statements** H226 Flammable liquid and vapor.  
H318 Causes serious eye damage.

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<b>Precautionary statements</b>	<p>P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking.</p> <p>P233 Keep container tightly closed.</p> <p>P240 Ground/bond container and receiving equipment.</p> <p>P241 Use explosion-proof electrical equipment.</p> <p>P242 Use only non-sparking tools.</p> <p>P243 Take precautionary measures against static discharge.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.</p> <p>P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P310 Immediately call a poison center/doctor.</p> <p>P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.</p> <p>P403+P235 Store in a well-ventilated place. Keep cool.</p> <p>P501 Dispose of contents/container in accordance with national regulations.</p>
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**Contains** PROPAN-1-OL

**WHMIS Label** Flammable Liquid.

### Other hazards

Flammable liquid and vapor.

### 3. Composition/information on ingredients

#### Mixtures

<b>ETHANOL</b> CAS number: 64-17-5	<b>60-100%</b>
<b>Classification</b> Flam. Liq. 2 - H225 Eye Irrit. 2A - H319	
<b>PROPAN-2-OL</b> CAS number: 67-63-0	<b>&lt;1%</b>
<b>Classification</b> Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336	

The Full Text for all Hazard Statements are Displayed in Section 16.

**Composition comments** Aqua, Bis-PEG 12 Dimethicone, Behentrimonium Chloride, PEG-200 Hydrogenated Glyceryl Palmate, PEG-7 Glyceryl Cocoate, Coco-Glucoside, Glyceryl Oleate, Dihydroxypropyl PEG-5 Linoleammonium Chloride

### 4. First-aid measures

#### Description of first aid measures

<b>General information</b>	Get medical attention if any discomfort continues.
<b>Inhalation</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
<b>Ingestion</b>	DO NOT induce vomiting. Get medical attention immediately.

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<b>Skin Contact</b>	Remove contaminated clothing.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

### Most important symptoms and effects, both acute and delayed

<b>Inhalation</b>	No specific symptoms known.
<b>Ingestion</b>	May cause nausea, headache, dizziness and intoxication.
<b>Skin contact</b>	None known.
<b>Eye contact</b>	May cause severe eye irritation.

### Indication of immediate medical attention and special treatment needed

<b>Notes for the doctor</b>	No specific recommendations.
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## 5. Fire-fighting measures

### Extinguishing media

**Suitable extinguishing media** Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.

### Special hazards arising from the substance or mixture

<b>Specific hazards</b>	FLAMMABLE. Forms explosive mixtures with air.
<b>Hazardous combustion products</b>	Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m <sup>3</sup> . Oxides of carbon.

### Advice for firefighters

**Protective actions during firefighting** Fight fire from safe distance or protected location. Containers close to fire should be removed or cooled with water.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Take precautionary measures against static discharges. No smoking, sparks, flames or other sources of ignition near spillage. Wear suitable protective clothing as protection against splashing or contamination. Avoid inhalation of vapors and contact with eyes

### Environmental precautions

**Environmental precautions** Do not discharge into drains or watercourses or onto the ground. Contain spillage with sand, earth or other suitable non-combustible material.

### Methods and material for containment and cleaning up

**Methods for cleaning up** Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Wash thoroughly after dealing with a spillage. Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely.

**Reference to other sections** For personal protection, see Section 8.

## 7. Handling and storage

### Precautions for safe handling

**Usage precautions** Keep away from heat, sparks and open flame. Avoid contact with eyes.

### Conditions for safe storage, including any incompatibilities

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**Storage precautions** Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame.

**Specific end uses(s)**

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

### 8. Exposure Controls/personal protection

**Control parameters**

**Occupational exposure limits**

**ETHANOL**

Long-term exposure limit (8-hour TWA): OSHA 1000 ppm 1900 mg/m<sup>3</sup>

**PROPAN-2-OL**

Long-term exposure limit (8-hour TWA): OSHA 400 ppm 980 mg/m<sup>3</sup>

OSHA = Occupational Safety and Health Administration.

#### ETHANOL (CAS: 64-17-5)

<b>DNEL</b>	Professional - Inhalation; local effects: 1900 mg/m <sup>3</sup> Professional - Dermal; Long term systemic effects: 343 mg/kg/day Professional - Inhalation; Long term systemic effects: 950 mg/m <sup>3</sup> Consumer - Inhalation; local effects: 950 mg/m <sup>3</sup> Consumer - Dermal; Long term systemic effects: 206 mg/kg/day Consumer - Inhalation; Long term systemic effects: 114 mg/m <sup>3</sup> Consumer - Oral; Long term systemic effects: 87 mg/kg/day
<b>PNEC</b>	- Marine water; 0.79 mg/l - Fresh water; 0.96 mg/l - Intermittent release; 2.75 mg/l - STP; 580 mg/l - Sediment (Freshwater); 3.46 mg/kg - Sediment (Marinewater); 2.9 mg/l - Soil; 0.63 mg/kg
<b>Immediate danger to life and health</b>	3300 ppm

#### C20-22-ALKYLTRIMETHYLAMMONIUM CHLORIDES (CAS: 68607-24-9)

<b>DNEL</b>	Workers - Inhalation; Long term systemic effects: 0.49 mg/m <sup>3</sup> Workers - Dermal; Long term systemic effects: 1.7 mg/kg/day
<b>PNEC</b>	- Fresh water; 13 µg/L - Marine water; 1.3 µg/L - Intermittent release; 14 µg/L - STP; 430 µg/L - Sediment (Freshwater); 1.25 mg/kg - Sediment (Marinewater); 125 µg/L - Soil; 1 mg/kg

#### PROPAN-2-OL (CAS: 67-63-0)

<b>DNEL</b>	Workers - Inhalation; Long term systemic effects: 500 mg/m <sup>3</sup> Workers - Dermal; Short term systemic effects: 888 mg/kg/day General population - Inhalation; Long term systemic effects: 89 mg/m <sup>3</sup> General population - Dermal; Long term systemic effects: 319 mg/kg/day General population - Oral; Long term systemic effects: 26 mg/kg/day
<b>PNEC</b>	- Fresh water; 140.9 mg/l - Marine water; 140.9 mg/l - Intermittent release; 140.9 mg/l - STP; 2251 mg/l - Sediment (Freshwater); 552 mg/kg - Sediment (Marinewater); 552 mg/kg - Soil; 28 mg/kg
<b>Immediate danger to life and health</b>	2000 ppm

**Exposure controls**

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### Protective equipment



<b>Appropriate engineering controls</b>	Not relevant.
<b>Eye/face protection</b>	Not required normally but wear eye protection if you are conducting an operation where there is a risk of this product getting in the eyes.
<b>Hand protection</b>	Not applicable.
<b>Hygiene measures</b>	DO NOT SMOKE IN WORK AREA! Promptly remove any clothing that becomes contaminated.
<b>Respiratory protection</b>	Not relevant.

### 9. Physical and Chemical Properties

#### Information on basic physical and chemical properties

<b>Appearance</b>	Clear liquid.
<b>Color</b>	Colorless.
<b>Odor</b>	Alcoholic.
<b>pH</b>	pH (concentrated solution): 5.0-7.5
<b>Melting point</b>	Not Applicable°C
<b>Initial boiling point and range</b>	78°C @
<b>Flash point</b>	23°C TCC (Tag closed cup).
<b>Evaporation rate</b>	1.4 (water =1)
<b>Vapour pressure</b>	Not Available @ °C
<b>Vapour density</b>	Not available
<b>Relative density</b>	0.858-0.866 g/mL @ at 25 degree C°C
<b>Other information</b>	None.
<b>Volatility</b>	70-80
<b>Volatile organic compound</b>	This product contains a maximum VOC content of 66.5-73.5% .

### 10. Stability and reactivity

<b>Reactivity</b>	There are no known reactivity hazards associated with this product.
<b>Stability</b>	No particular stability concerns.
<b>Possibility of hazardous reactions</b>	Not known.
<b>Conditions to avoid</b>	Avoid heat, flames and other sources of ignition.
<b>Materials to avoid</b>	Oxidising Agents Aluminium

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**Hazardous decomposition products**      Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m<sup>3</sup>. Oxides of carbon.

### 11. Toxicological information

#### Information on toxicological effects

**Toxicological effects**      No data recorded.

**General information**      No specific health hazards known.

**Inhalation**      No specific health hazards known.

**Ingestion**      May cause nausea, headache, dizziness and intoxication.

**Skin Contact**      Skin irritation should not occur when used as recommended.

**Eye contact**      Causes eye irritation

### 12. Ecological Information

**Ecotoxicity**      The product is not expected to be toxic to aquatic organisms.

#### Persistence and degradability

**Persistence and degradability**      The product is biodegradable.

#### Bioaccumulative potential

**Bio-Accumulative Potential**      The product is not bioaccumulating.

#### Mobility in soil

**Mobility**      The product is soluble in water.

#### Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment**      This product does not contain any substances classified as PBT or vPvB.

#### Other adverse effects

**Other adverse effects**      None known.

### 13. Disposal considerations

#### Waste treatment methods

**General information**      When handling waste, the safety precautions applying to handling of the product should be considered. Wear suitable protective clothing as protection against splashing or contamination.

**Disposal methods**      Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

### 14. Transport information

#### UN Number

**UN No. (DOT)**      1987

**UN No. (IMDG)**      1987

**UN No. (ICAO)**      1987

#### UN proper shipping name

## ARMCHEM Alcohol Foam Hand Sanitizer

**Proper shipping name (DOT)** Alcohols, n.o.s. (Ethanol)

**Proper shipping name (IMDG)** Alcohols, n.o.s. (Ethanol)

**Proper shipping name (ICAO)** Alcohols, n.o.s. (Ethanol)

**Transport hazard class(es)**

**DOT hazard class** 3

**DOT hazard label** Flammable Liquid

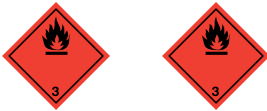
**TDG class** 3

**TDG label** 3

**IMDG Class** 3

**ICAO class/division** 3

**Transport labels**



**Packing group**

**DOT pack group** II

**IMDG packing group** II

**ICAO packing group** II

**Special precautions for user**

**EmS** F-E, S-D

### 15. Regulatory information

**Regulatory Status** TSCA: The ingredients of this product are on the TSCA Inventory. This product is manufactured and labeled in compliance with the Federal Food, Drug, and Cosmetic Act, and is exempt from the labeling requirements of the OSHA Hazard Communication Standard.

### 16. Other information

**Revision comments** New SDS Software This is first issue.

**Revision date** 4/22/2016

**Revision** 2

**Supersedes date** 4/27/2015

**Signature** Deb Worldwide Healthcare Inc.

**Hazard statements in full** H225 Highly flammable liquid and vapor.  
H336 May cause drowsiness or dizziness.  
H319 Causes serious eye irritation.

**ACA HMIS Health rating.** Slight Hazard. (1)

**ACA HMIS Flammability rating.** Ignites easily. (3)

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**ACA HMIS Physical hazard rating.** Normally stable. (0)

**ACA HMIS Personal protection rating.** N/A.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.