



# Safety Data Sheet

Issue Date: 27-Dec-2011

Revision Date: 11-Nov-2016

Version 1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Symmetry Foaming Hand Sanitizer

### Other means of identification

**SDS #** BE-9005-CA

**Product Code** 9005  
**Synonyms** None

**UN/ID No** UN1170

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

**Recommended Use** Hand Sanitizer

**Uses Advised Against** No information available

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

THIS SAFETY DATA SHEET  
IS NOT COMPLIANT UNLESS  
CANADIAN ADDRESS IS USED

**United States Supplier Address**  
Buckeye International, Inc.  
2700 Wagner Place  
Maryland Heights, MO 63043 USA  
1-314-291-1900

### 24 hr Emergency Telephone Numbers

TRANSPORTATION - INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

MEDICAL - 1-651-632-8956 (International) 1-800-303-0441 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** Clear liquid

**Physical state** Liquid

**Odour** Fruity Floral

### Classification

Serious eye damage/eye irritation	Category 2
Flammable Liquids	Category 3

### Label Elements

#### Signal word

Warning

**Hazard statements**

Causes serious eye irritation  
Flammable liquid and vapour

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves/protective clothing/eye protection/face protection  
Ground and bond container and receiving equipment  
Use non-sparking tools  
Take action to prevent static discharges  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
Keep container tightly closed  
Use explosion-proof electrical/ ventilating / lighting/ .? / equipment

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
If eye irritation persists: Get medical advice/attention  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]  
In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish

**Precautionary Statements - Storage**

Store in a well-ventilated place. Keep cool

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other Information**

Toxic to aquatic life with long lasting effects

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance**

Not applicable.

**Mixture**

Chemical Name	CAS No	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Ethyl Alcohol	64-17-5	65.26	-	-

### 4. FIRST AID MEASURES

**First Aid Measures**

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<b>Eye contact</b>	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.
<b>Skin contact</b>	If skin irritation occurs, rinse affected area with water.
<b>Inhalation</b>	Remove to fresh air.
<b>Ingestion</b>	Drink 2-3 large glasses of water. Do NOT induce vomiting. Call a doctor. Never give anything by mouth to an unconscious person.

**Most important symptoms and effects**

**Symptoms** Contact may cause irritation and redness.

**Indication of any immediate medical attention and special treatment needed**

**Note to doctors** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable extinguishing media</b>	CAUTION: Use of water spray when fighting fire may be inefficient.
<b>Specific hazards arising from the chemical</b>	Flammable due to alcohol content.
<b>Explosion Data</b>	
<b>Sensitivity to Mechanical Impact</b>	None.
<b>Sensitivity to Static Discharge</b>	None.
<b>Special protective equipment for fire-fighters</b>	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Use personal protective equipment as required. Spills may be slippery.

**Environmental precautions**

**Environmental precautions** See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up with mop, wet/dry vac, or absorbent material. Rinse area with clear water and allow floor to dry before allowing traffic.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

#### Advice on safe handling

Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing and eye/face protection. Ground and bond container and receiving equipment. Use non-sparking tools. Take action to prevent static discharges. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Use explosion-proof electrical/ ventilating / lighting / equipment.

### Conditions for safe storage, including any incompatibilities

#### Storage Conditions

Keep containers tightly closed in a cool, well-ventilated place. Store away from heat, sparks, flame. Keep container closed when not in use. Store at room temperature. Keep from freezing.

#### Incompatible materials

Chlorine bleach

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Limits

Chemical Name	Canada - Alberta - Occupational Exposure Limits - Ceilings	Canada - British Columbia - Occupational Exposure Limits - Ceilings	Canada - Ontario - Occupational Exposure Limits - Ceilings	Quebec
Ethyl Alcohol 64-17-5	TWA: 1000 ppm TWA: 1880 mg/m <sup>3</sup>	STEL: 1000 ppm	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1880 mg/m <sup>3</sup>

### Appropriate engineering controls

#### Engineering controls

Showers  
Eyewash stations  
Ventilation systems.

### Individual protection measures, such as personal protective equipment

#### Eye/face protection

When using product, do not rub eyes.

#### Skin and body protection

No special protective equipment required.

#### Respiratory protection

No protective equipment is needed under normal use conditions.

#### General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Clear liquid
Colour	No information available
Odour	Fruity Floral

**Odour Threshold** No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Not available	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	78 °C / 172 °F	
Flash Point	23 °C / 74 °F	
Evaporation Rate	> 1.0	CC (closed cup) (Water = 1)
Flammability (Solid, Gas)	n/a-liquid	
Flammability Limits in Air		
Upper Flammability Limits	Not available	
Lower Flammability Limit	Not available	
Vapour Pressure	Not determined	
Vapour Density	Not determined	
Relative Density	0.88	
Water Solubility	Infinite	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive properties	No information available.	
Oxidising properties	No information available.	

#### Other Information

Softening Point	No information available
Molecular weight	No information available
VOC Content (%)	No information available
Density	No information available
Bulk Density	No information available

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	Not reactive under normal conditions.
<b>Chemical Stability</b>	Stable under normal conditions.
<b>Possibility of Hazardous Reactions</b>	None under normal processing.
<b>Hazardous Polymerisation</b>	Hazardous polymerisation does not occur.
<b>Conditions to Avoid</b>	Heat, flames and sparks.
<b>Incompatible Materials</b>	Chlorine bleach.
<b>Hazardous Decomposition Products</b>	None under normal use conditions.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>Product Information</b>	Product does not present an acute toxicity hazard based on known or supplied information
<b>Eye contact</b>	Causes serious eye irritation.
<b>Skin contact</b>	Not expected to be a skin irritant during prescribed use.
<b>Inhalation</b>	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

**Ingestion** Do not ingest.

**Information on physical, chemical and toxicological effects**

**Symptoms** Please see section 4 of this SDS for symptoms.

**Numerical measures of toxicity**

Not determined

**Acute Toxicity**

**Unknown acute toxicity** No information available

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ethyl Alcohol 64-17-5	= 7060 mg/kg ( Rat )	-	= 124.7 mg/L ( Rat ) 4 h

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Carcinogenicity** Ethanol has been shown to be carcinogenic in long-term studies only when consumed as an alcoholic beverage.

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethyl Alcohol 64-17-5	A3	Group 1	Known	X

**Legend**

**ACGIH (American Conference of Governmental Industrial Hygienists)**

A3 - Animal Carcinogen

**IARC (International Agency for Research on Cancer)**

Group 1 - Carcinogenic to Humans

**NTP (National Toxicology Program)**

Known - Known Carcinogen

**OSHA (Occupational Safety and Health Administration of the US Department of Labour)**

X - Present

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity** Toxic to aquatic life with long lasting effects.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Ethyl Alcohol 64-17-5	-	13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static 12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static	EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min	10800: 24 h Daphnia magna mg/L EC50 2: 48 h Daphnia magna mg/L EC50 Static 9268 - 14221: 48 h Daphnia magna mg/L LC50

**Persistence/Degradability** No information available.

**Bioaccumulation** No information available.

**Mobility**

Chemical Name	Partition Coefficient
Ethyl Alcohol 64-17-5	-0.32

**Other Adverse Effects** No information available.

### 13. DISPOSAL CONSIDERATIONS

**Waste Treatment Methods**

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

### 14. TRANSPORT INFORMATION

**Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances

**DOT**

<b>UN/ID No</b>	UN1170
<b>Proper Shipping Name</b>	Ethanol solution
<b>Hazard Class</b>	3
<b>Packing Group</b>	III

**TDG**

<b>UN/ID No</b>	UN1170
<b>Proper Shipping Name</b>	Ethanol solution
<b>Hazard Class</b>	3
<b>Packing Group</b>	III

**IATA**

<b>UN/ID No</b>	UN1170
<b>Proper Shipping Name</b>	Ethanol solution
<b>Hazard Class</b>	3
<b>Packing Group</b>	III

**IMDG**

<b>UN/ID No</b>	UN1170
<b>Proper Shipping Name</b>	Ethanol solution
<b>Hazard Class</b>	3
<b>Packing Group</b>	III

### 15. REGULATORY INFORMATION

**REGULATORY INFORMATION****International Regulations**

**Ozone-depleting substances (ODS)** Not applicable

**Persistent Organic Pollutants** Not applicable

**Export Notification requirements** Not applicable

**International Inventories**

Chemical Name	TSCA	DSL/NDSL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	AICS
Ethyl Alcohol	X	X	X	Present	X	Present	X	X

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

<b>NFPA</b>	<b>Health Hazards 1</b>	<b>Flammability 3</b>	<b>Instability 0</b>	<b>Special Hazards -</b>
<b>HMIS</b>	<b>Health Hazards 2</b>	<b>Flammability 3</b>	<b>Physical hazards 0</b>	<b>Personal Protection X</b>

**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)
STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value
*	Skin designation
<b>Issue Date:</b>	27-Dec-2011

**Revision Date:** 11-Nov-2016

**Revision Note:** Canadian format

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.

**End of Safety Data Sheet**