

## SAFETY DATA SHEET

according to 29 CFR 1910.1200 and GHS

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### SureKill® Hand Sanitizer

Revision 1  
Revision date 2019-11-21

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

Product name	SureKill® Hand Sanitizer
Product code	490909/SK

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Description	Alcohol-based, foaming hand sanitizer.
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##### 1.3. Details of the supplier of the safety data sheet

Company	Neogen Corporation
Address	620 Leshler Place Lansing MI 48912 USA
Web	www.neogen.com
Telephone	517-372-9200/800-234-5333
Email	regulatorysupport@neogen.com

##### 1.4. Emergency telephone number

Emergency telephone number	1-800-234-5333
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##### Further information


Manufactured By:	Neogen Corporation 944 Nandino Blvd. Lexington, KY 40511-1205 U.S.A.
Hotline(s):	Medical: United States (1-800-498-5743), International (1-651-523-0318). Spill/CHEMTREC: United States (1-800-424-9300), International (1-703-527-3887).

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

2.1.2. Classification - GHS	Flam. Liq. 2: H225;
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##### 2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
Precautionary Statement: Prevention	P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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## 2.2. Label elements

<b>Precautionary Statement: Response</b>  <b>Precautionary Statement: Storage</b>	P233 - Keep container tightly closed.
	P242 - Use only non-sparking tools.
	P280 - Wear protective gloves/protective clothing/eye protection/face protection.
	P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
	P403+P235 - Store in a well-ventilated place. Keep cool.

## 2.3. Other hazards

<b>Other hazards</b>	Inhalation. May cause dizziness and headache.
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## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Isopropanol (2-Propanol)	603-117-00-0	67-63-0	200-661-7		1 - 10%	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336;
Ethanol	603-002-00-5	64-17-5	200-578-6		60 - 70%	Flam. Liq. 2: H225;

#### Further information

	The exact percentage (concentration) of composition has been withheld as a trade secret.
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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>Inhalation</b>	Move the exposed person to fresh air.
<b>Eye contact</b>	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Contact lenses should be removed.
<b>Skin contact</b>	Remove contaminated clothing. Wash off immediately with plenty of soap and water.
<b>Ingestion</b>	Rinse mouth thoroughly. DO NOT INDUCE VOMITING unless advised to do so by a doctor.

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

<b>Inhalation</b>	May cause irritation to respiratory system.
<b>Eye contact</b>	May cause irritation to eyes.
<b>Skin contact</b>	May cause irritation to skin.
<b>Ingestion</b>	Ingestion may cause nausea and vomiting.

### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Inhalation</b>	If you feel unwell, seek medical advice (show the label where possible).
<b>Eye contact</b>	Seek medical attention if irritation or symptoms persist.
<b>Skin contact</b>	Seek medical attention if irritation or symptoms persist.
<b>Ingestion</b>	If you feel unwell, seek medical advice (show the label where possible).

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions.
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### 5.2. Special hazards arising from the substance or mixture

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## 5.2. Special hazards arising from the substance or mixture

Highly flammable liquid and vapour. Burning produces irritating, toxic and obnoxious fumes.

## 5.3. Advice for firefighters

Wear suitable respiratory equipment when necessary.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ensure adequate ventilation of the working area. Avoid contact with skin and eyes. Wash hands after handling the product.

### 6.2. Environmental precautions

Prevent further spillage if safe. Do not flush into surface water. Do not let product contaminate subsoil.

### 6.3. Methods and material for containment and cleaning up

Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

### 6.4. Reference to other sections

See section 2, 8 & 13 for further information.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Adopt best Manual Handling considerations when handling, carrying and dispensing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid contact with eyes and skin. Ensure adequate ventilation of the working area.

### 7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed. Keep in a cool, dry, well ventilated area. Store in correctly labelled containers.

### 7.3. Specific end use(s)

See section 1.2 for further information.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Occupational exposure controls.

### Exposure Limit Values


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## Exposure Limit Values

Ethanol	ACGIH TLV TWA: 1000 ppm Notations: A4 OSHA PEL 8hr TWA mg m3: 1900 NIOSH REL 10hr TWA ppm: NIOSH REL 15 min ST ppm:	ACGIH TLV STEL: - OSHA PEL 8hr TWA ppm: 1000 Skin Designation: - NIOSH REL 10hr TWA mg m3: NIOSH REL 15 min ST mg m3:
Glycerin (Glycerin mist)	ACGIH TLV TWA: 10 mg/m <sup>3</sup> Notations: - OSHA PEL 8hr TWA mg m3: 15 NIOSH REL 10hr TWA ppm: NIOSH REL 15 min ST ppm:	ACGIH TLV STEL: - OSHA PEL 8hr TWA ppm: - Skin Designation: - NIOSH REL 10hr TWA mg m3: NIOSH REL 15 min ST mg m3:
Isopropanol (2-Propanol)	ACGIH TLV TWA: 200 ppm Notations: A4 OSHA PEL 8hr TWA mg m3: 980 NIOSH REL 10hr TWA ppm: NIOSH REL 15 min ST ppm:	ACGIH TLV STEL: 400 ppm OSHA PEL 8hr TWA ppm: 400 Skin Designation: - NIOSH REL 10hr TWA mg m3: NIOSH REL 15 min ST mg m3:

## 8.2. Exposure controls

	
Appropriate engineering controls	Ensure adequate ventilation of the working area.
Individual protection measures	Adopt best Manual Handling considerations when handling, carrying and dispensing.
Eye / face protection	Not normally required. Provide eye wash station.
Skin protection - Hand protection	Not normally required.
Respiratory protection	Not normally required.
Occupational exposure controls	Keep away from food, drink and animal feed and/ or feed products.

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

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## 9.1. Information on basic physical and chemical properties

<b>State</b>	Liquid
<b>Color</b>	Colorless
<b>Odor</b>	Characteristic
<b>Odour threshold</b>	No data available
<b>pH</b>	6.5 - 8.5
<b>Melting point</b>	No data available
<b>Freezing Point</b>	No data available
<b>Boiling point</b>	78 °C
<b>Flash point</b>	17 °C
<b>Evaporation rate</b>	No data available
<b>Flammability limits</b>	No data available
<b>Vapor pressure</b>	No data available
<b>Vapor density</b>	No data available
<b>Relative density</b>	No data available
<b>Fat Solubility</b>	No data available
<b>Partition coefficient</b>	No data available
<b>Autoignition temperature</b>	No data available
<b>Viscosity</b>	No data available
<b>Explosive properties</b>	No data available
<b>Oxidising properties</b>	No data available
<b>Solubility</b>	Soluble in water

## 9.2. Other information

<b>Conductivity</b>	No data available
<b>Surface tension</b>	No data available
<b>Specific gravity</b>	0.8 - 1
<b>Gas group</b>	No data available

## SECTION 10: Stability and reactivity

## 10.1. Reactivity

	No data available.
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## 10.2. Chemical stability

	Stable under normal conditions.
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## 10.3. Possibility of hazardous reactions

	No data available.
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## 10.4. Conditions to avoid

	Heat, sparks and open flames. Direct sunlight.
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## 10.5. Incompatible materials

	Alkali metals. Ammonia. Oxidizing agents. Peroxides.
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## 10.6. Hazardous decomposition products

	Burning produces irritating, toxic and obnoxious fumes.
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## SECTION 11: Toxicological information

## 11.1. Information on toxicological effects

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## 11.1. Information on toxicological effects

Acute toxicity	No data available.
Skin corrosion/irritation	May cause irritation to skin.
Serious eye damage/irritation	May cause irritation to eyes.
Respiratory or skin sensitisation	No data available.
Germ cell mutagenicity	No data available.
Carcinogenicity	Not found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs, Volumes 1-112. Not listed in the National Toxicology Program (NTP) 13th Report on Carcinogens. Not listed in the OSHA standard 1910.1003 Carcinogens.
Reproductive toxicity	No data available.
STOT-single exposure	No data available.
STOT-repeated exposure	No data available.
Aspiration hazard	No data available.
Repeated or prolonged exposure	Prolonged or repeated exposure may cause: Headache, nausea and vomiting.

## 11.1.4. Toxicological information

Ethanol	Oral Rat LD50: 10470 mg/kg Dermal Rabbit LD50: 15800 mg/kg	Oral Mouse LD50: 3450 mg/kg Inhalation Rat LC50/4 h: 30000 mg/kg
Glycerin	Inhalation Rat LC50/1 h: 2570 mgm3	Oral Rat LD50: >12600 mg/kg
Isopropanol	Oral Rat LD50: 4396 mg/kg	

## SECTION 12: Ecological information

## 12.1. Toxicity

Ethanol	Algae EC50/72h: 275 mg/l Fathead minnows LC50/96h: 14200 mg/l	Daphnia LC50/48h: 5012 mg/l
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## 12.2. Persistence and degradability

	No data available.
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## 12.3. Bioaccumulative potential

	No data available.
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## Partition coefficient

	COMPANION™ Hand Sanitizer No data available	Ethanol -0.349 log P
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## 12.4. Mobility in soil

	No data available.
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## 12.5. Results of PBT and vPvB assessment

	No data available.
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## 12.6. Other adverse effects

	No data available.
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## SECTION 13: Disposal considerations

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## 13.1. Waste treatment methods

	Dispose of in compliance with all local and national regulations.
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## Disposal methods


	Do not contaminate water by cleaning of equipment or disposal of wastes. Dispose of contents/container to an approved waste disposal facility in accordance with local and national regulations.
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## Disposal of packaging

	Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling.
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## SECTION 14: Transport information

## Hazard pictograms

	
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## 14.1. UN number

	UN1170
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## 14.2. UN proper shipping name

	ETHANOL SOLUTION
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## 14.3. Transport hazard class(es)

DOT	3
Subsidiary risk	-
IMDG	3
Subsidiary risk	-
IATA	3
Subsidiary risk	-

## 14.4. Packing group

Packing group	II
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## 14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

## 14.6. Special precautions for user

	No data available.
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## 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

	Not applicable.
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## DOT

Hazard ID	33
Tunnel Category	(D/E)

## IMDG

EmS Code	F-E S-D
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## IATA

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## IATA

Packing Instruction (Cargo)	364
Maximum quantity	60 L
Packing Instruction (Passenger)	353
Maximum quantity	5 L

## SECTION 15: Regulatory information

## 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

<b>Regulations</b>	<p>Hazard Communication Standard: 29 Code of Federal Regulations 1910.1200: Occupational Safety and Health Standards: Z: Toxic and Hazardous Substances: Hazard Communication.</p> <p>All chemicals in this product are TSCA listed or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory. TSCA - United States Toxic Substances Control Act Section 8(b) Inventory.</p> <p>US State Regulations: New Jersey Right-to-Know Hazardous Substance List: Isopropyl alcohol: Y</p> <p>Pennsylvania Right-to-Know Hazardous Substance List: 2-Propanol: Y, Ethanol: Y, 1,2,3-Propanetriol.</p> <p>Rhode Island Right-to-Know Hazardous Substance List: Isopropanol.</p>
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## 15.2. Chemical safety assessment

	No data is available on this product.
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## Inventories

Ingredient	TSCA	MA	SARA313	CALPROP65	CWA307	CAA112	CWA311	SARA302	SARA304
Isopropanol (2-Propanol)	Y	N	Y 1.0	N	N	N	N	N	N
Ethanol	Y	Y	N	N	N	N	N	N	N
Glycerin (1,2,3-Propanetriol)	Y	N	N	N	N	N	N	N	N

## SECTION 16: Other information

## Other information

<b>Revision</b>	<p>This document differs from the previous version in the following areas:.</p> <ul style="list-style-type: none"> <li>1 - Description.</li> <li>1 - Manufactured By:.</li> <li>1 - Hotline(s):.</li> <li>2 - Other hazards.</li> <li>4 - Ingestion.</li> <li>4 - Eye contact.</li> <li>6 - 6.2. Environmental precautions.</li> <li>8 - Respiratory protection.</li> <li>8 - Skin protection - Hand protection.</li> <li>8 - Eye / face protection.</li> <li>8 - Individual protection measures.</li> <li>8 - Skin protection - Other.</li> <li>11 - Repeated or prolonged exposure.</li> <li>11 - Carcinogenicity.</li> <li>13 - Disposal methods.</li> </ul>
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## Other information

<b>Text of Hazard Statements in Section 3</b>	15 - Regulations.
	Flam. Liq. 2: H225 - Highly flammable liquid and vapour. Eye Irrit. 2: H319 - Causes serious eye irritation. STOT SE 3: H336 - May cause drowsiness or dizziness.

## Further information

	<p>DISCLAIMER: The information and recommendations set forth herein ("Information") are presented in good faith and believed to be correct as of the date issued. No representation is made regarding the completeness or accuracy of the Information. Further, because of the many factors that affect the use of this product, the Information is supplied upon the condition that the person(s) receiving it will make their own determination regarding its suitability for their own unique purpose(s), prior to use.</p> <p>Except as expressly stated herein, NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, COURSE OF PERFORMANCE, USAGE OF TRADE, OR RESULTS TO BE OBTAINED BY USE OF THIS PRODUCT are made with respect to this product or use of this product. The product covered is furnished "as is" and only subject to the warranties herein provided, no liability is assumed resulting from the use of this product.</p>
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