

Safety Data Sheet

ECO SURE General Purpose Hand Cleaner

SDS Revision Date:

08/24/2018



1. Identification

1.1. Product identifier

Product Identity

ECO SURE General Purpose Hand Cleaner

Alternate Names

LHB Part Number: 1064098

National Stock Number: 8520-01-432-2618

CAGE Code: 0FTT5

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

Intended use

See Product Label

Application Method

See Product Label

1.3. Details of the supplier of the safety data sheet

Company Name

LHB Industries

8833 Fleischer Place

Berkeley, MO 63134

Emergency**24 hour Emergency Telephone No.**

(800) 633-8253 (PERS)

Customer Service: LHB Industries

(314) 423-4333

2. Hazard(s) identification

2.1. Classification of the substance or mixture

No applicable GHS categories.

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.

No applicable GHS categories.

[Prevention]:

No GHS prevention statements

[Response]:

No GHS response statements

[Storage]:

No GHS storage statements

[Disposal]:

No GHS disposal statements

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3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Alcohols, C10-16, ethoxylated, sulfates, sodium salts CAS Number: 0068585-34-2	1.0 - 10	Skin Irrit. 2;H315 Eye Irrit. 2;H319	[1]
PROPANAMINIUM, 3-AMINO-N-(CARBOXYMETHYL)-N,N-DIMET CAS Number: 0061789-40-0	1.0 - 10	Skin Irrit. 2;H315 Eye Irrit. 2;H319 Aquatic Acute 1;H400	[1]
D-Glucopyranose, oligomeric, C10-16-alkyl glycosides CAS Number: 0110615-47-9	1.0 - 10	Skin Irrit. 2;H315 Eye Irrit. 2;H319	[1]
Glycerol CAS Number: 0000056-81-5	1.0 - 10	Not Classified	[1][2]
Sodium chloride CAS Number: 0007647-14-5	1.0 - 10	Not Classified	[1]

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

General	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
Eyes	Immediately rinse eyes with plenty of water, remove contact lenses, occasionally lifting upper and lower lids, until no evidence of product remains. Obtain medical attention.
Skin	This product is formulated for use on skin. Discontinue use if irritation or redness develop.
Ingestion	Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If affected person is conscious, give plenty of water to drink. Get medical attention.

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

Overview	Eyes: May cause eye irritation. Inflammation of the eye is characterized by redness, watering and itching.
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Skin: No known acute effects of this product from skin contact.

Inhalation: No known acute effects of this product from inhalation.

Ingestion: No data on acute toxicity of the product when ingested.

See section 2 for further details.

Eyes
Skin

Causes serious eye irritation.

Causes skin irritation.

5. Fire-fighting measures

5.1. Extinguishing media

Use media suitable for surrounding fire.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: None known.

5.3. Advice for fire-fighters

FIRE FIGHTING EQUIPMENT: Fire fighters should wear full protective equipment, and have self-contained breathing apparatus available. **SPECIAL PROCEDURES:** Use water to cool containers exposed to a fire.

ERG Guide No. ----

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

Move containers from spill area. Dilute with water and mop up or absorb with an inert, dry material and place in appropriate waste disposal container.

7. Handling and storage

7.1. Precautions for safe handling

Avoid contact with eyes. Do not ingest. Wash contaminated clothing before reuse. Do not reuse container.

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See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Keep from freezing. Store between 40F-120F. Keep out of reach of children.

Incompatible materials: None

See section 2 for further details. - [Storage]:

7.3. Specific end use(s)

See Product Label

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0000056-81-5	Glycerol	OSHA	TWA 15 mg/m3 (total) TWA 5 mg/m3 (resp)
		ACGIH	TWA: 3 mg/m3 (respirable) 10 mg/m3 (mist)
		NIOSH	No established RELs
		Supplier	No Established Limit
0007647-14-5	Sodium chloride	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0061789-40-0	PROPANAMINIUM, 3-AMINO-N-(CARBOXYMETHYL)-N,N-DIMET	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0068585-34-2	Alcohols, C10-16, ethoxylated, sulfates, sodium salts	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0110615-47-9	D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

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Carcinogen Data

CAS No.	Ingredient	Source	Value
0000056-81-5	Glycerol	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0007647-14-5	Sodium chloride	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0061789-40-0	PROPANAMINIUM, 3-AMINO-N-(CARBOXYMETHYL)-N,N-DIMET	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0068585-34-2	Alcohols, C10-16, ethoxylated, sulfates, sodium salts	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0110615-47-9	D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

8.2. Exposure controls

Respiratory None required for normal use.

Eyes None required for normal use.

Skin None required for normal use.

Engineering Controls None required for normal use.

Other Work Practices Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

9. Physical and chemical properties

Appearance	Colorless Liquid
Odor	Pleasant
Odor threshold	Not Measured
pH	6.5
Melting point / freezing point	Not Measured
Initial boiling point and boiling range	Not Measured
Flash Point	None
Evaporation rate (Ether = 1)	Slower than ether
Flammability (solid, gas)	Not Applicable

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Upper/lower flammability or explosive limits

Lower Explosive Limit: Not Measured

Upper Explosive Limit: Not Measured

Vapor pressure (Pa)

< 1 mmHg @ 20C

Vapor Density

Not Measured

Specific Gravity

1.03

Solubility in Water

Complete

Partition coefficient n-octanol/water (Log Kow)

Not Measured

Auto-ignition temperature

Not Measured

Decomposition temperature

Not Measured

Viscosity (cSt)

Not Measured

Density

8.55 lb/gal

9.2. Other information

No other relevant information.

10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Freezing and extreme heat.

10.5. Incompatible materials

None

10.6. Hazardous decomposition products

None known.

11. Toxicological information

Acute toxicity

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Alcohols, C10-16, ethoxylated, sulfates, sodium salts - (68585-34-2)	No data available	No data available	No data available	No data available	No data available

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PROPANAMINIUM, 3-AMINO-N-(CARBOXYMETHYL)-N,N-DIMET - (61789-40-0)	No data available	No data available	No data available	No data available	No data available
D-Glucopyranose, oligomeric, C10-16-alkyl glycosides - (110615-47-9)	No data available	No data available	No data available	No data available	No data available
Glycerol - (56-81-5)	12,600.00, Rat - Category: NA	10,000.00, Rabbit - Category: NA	No data available	No data available	No data available
Sodium chloride - (7647-14-5)	3,550.00, Rat - Category: 5	10,000.00, Rabbit - Category: NA	No data available	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	2	Causes skin irritation.
Serious eye damage/irritation	2	Causes serious eye irritation.
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

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12. Ecological information

12.1. Toxicity

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and GHS and is not classified as dangerous for the environment, but contains substance(s) dangerous for the environment. See section 3 for details

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Alcohols, C10-16, ethoxylated, sulfates, sodium salts - (68585-34-2)	Not Available	Not Available	Not Available
PROPANAMINIUM, 3-AMINO-N-(CARBOXYMETHYL)-N,N-DIMET - (61789-40-0)	Not Available	Not Available	Not Available
D-Glucopyranose, oligomeric, C10-16-alkyl glycosides - (110615-47-9)	Not Available	Not Available	Not Available
Glycerol - (56-81-5)	67,500.00, Oncorhynchus mykiss	10,000.00, Daphnia magna	Not Available
Sodium chloride - (7647-14-5)	1,100.00, Freshwater Fish	3,310.00, Daphnia magna	Not Available

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

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14. Transport information

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	Not Applicable	Not Regulated	Not Regulated
14.2. UN proper shipping name	Not Regulated	Not Regulated	Not Regulated
14.3. Transport hazard class(es)	DOT Hazard Class: Not Applicable	IMDG: Not Applicable Sub Class: Not Applicable	Air Class: Not Applicable
14.4. Packing group	Not Applicable	Not Applicable	Not Applicable
14.5. Environmental hazards			
IMDG	Marine Pollutant: No		
14.6. Special precautions for user	No further information		

15. Regulatory information

Regulatory Overview	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.
Toxic Substance Control Act (TSCA)	All components of this material are either listed or exempt from listing on the TSCA Inventory.
WHMIS Classification	D2B
US EPA Tier II Hazards	<p>Fire: No</p> <p>Sudden Release of Pressure: No</p> <p>Reactive: No</p> <p>Immediate (Acute): Yes</p> <p>Delayed (Chronic): No</p>

EPCRA 311/312 Chemicals and RQs:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Carcinogens (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Developmental Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

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Proposition 65 - Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

New Jersey RTK Substances (>1%):

Glycerol

Pennsylvania RTK Substances (>1%):

Glycerol

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.

IMPORTANT NOTE: This information is furnished without warranty, expressed or implied, as to accuracy or completeness. The information is obtained from various sources including the manufacturer and other third party sources. The information may not be valid under all conditions nor if this material is used in combination with other materials or any process. Final determination of suitability of any material is the sole responsibility of the user.

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