

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Trade name : Dreft® Bottle & Dish Soap

1.2. Recommended use and restrictions on use

Recommended use : Hand dishwashing detergent
Restrictions on use : None known

1.3. Supplier

Nehemiah Manufacturing Company, LLC
1907 South St.
Cincinnati, OH 45204
T 513-351-5700
responsibility@nehemiahmfg.com

1.4. Emergency telephone number

Emergency number : Verisk 3E: 1-866-519-4752
Access Code: 335485

SECTION 2: Hazard(s) identification


2.1. Classification of the substance or mixture

GHS US classification

Serious eye damage, Category 1 Causes serious eye damage.
Hazardous to the aquatic environment – Acute Hazard, Category 3 Harmful to aquatic life

2.2. GHS Label elements, including precautionary statements

GHS US labelling

Hazard pictograms (GHS US) : 

Signal word (GHS US) : Danger

Hazard statements (GHS US) : Causes serious eye damage.
Harmful to aquatic life

Precautionary statements (GHS US) : Avoid release to the environment.
Wear eye protection.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor/physician.
Dispose of contents/container to an approved waste disposal plant.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

No additional information available

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SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Lauramine Oxide	CAS-No.: 1643-20-5	1 – 2
D-Glucopyranose, oligomeric, C10-16(even numbered) alkyl glycosides	CAS-No.: 110615-47-9	1 – 2
Caprylyl/Capryl Oligoglucoside	CAS-No.: 68515-73-1	< 1.0

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: Move the affected person to fresh air. Get medical attention if symptoms occur.
First-aid measures after skin contact	: Gently wash with plenty of soap and water. Get medical advice if skin irritation persists.
First-aid measures after eye contact	: Immediately flush eyes thoroughly with water for at least 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Inhalation	: May cause minor irritation to the respiratory tract and to other mucous membranes.
Skin	: May cause slight irritation to the skin.
Eyes	: Serious damage to eyes.
Ingestion	: May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

4.3. Immediate medical attention and special treatment, if necessary

Immediate medical attention is required for eye contact.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media	: None.

5.2. Specific hazards arising from the chemical

Fire hazard	: This product is not classified as flammable or combustible.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting	: Do not attempt to take action without suitable protective equipment.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Wear suitable protective clothing. Avoid contact with eyes, skin and clothing.
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6.1.1. For non-emergency personnel

Emergency procedures : Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.
Methods for cleaning up : Take up liquid spill into absorbent material.
Other information : Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes. Wear personal protective equipment. Wash hands with water and soap. Ensure adequate ventilation.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : No special storage required.
Incompatible materials : None known.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : No particular/specific measures required.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:
Wear suitable gloves
Eye protection:
Chemical goggles. Use suitable eye protection
Skin and body protection:
Wear suitable protective clothing

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Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. In operations where exposure limits are exceeded or exposure levels are excessive, an approved respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear, colorless liquid.
Colour	: Colourless
Odour	: Odourless
Odour threshold	: No data available
pH	: 8 – 10
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapour pressure	: No data available
Relative vapour density at 20°C	: No data available
Relative density	: No data available
Density	: 1
Solubility	: Water: 100 %
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None known.

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10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Lauramine Oxide (1643-20-5)

LD50 oral rat	> 1065 mg/kg
LD50 dermal rat	> 2000 mg/kg bodyweight

D-Glucopyranose, oligomeric, C10-16(even numbered) alkyl glycosides (110615-47-9)

LD50 oral rat	> 5000 mg/kg bodyweight (OECD 401 method)
LD50 dermal rabbit	> 2000 mg/kg bodyweight (OECD 402 method)

Caprylyl/Capryl Oligoglucoside (68515-73-1)

LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg

Skin corrosion/irritation : Not classified
pH: 8 – 10
Serious eye damage/irritation : Causes serious eye damage.
pH: 8 – 10
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified

Lauramine Oxide (1643-20-5)

NOAEL (oral, rat, 90 days)	40 mg/kg bodyweight
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D-Glucopyranose, oligomeric, C10-16(even numbered) alkyl glycosides (110615-47-9)

NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents)
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Aspiration hazard : Not classified
Viscosity, kinematic : No data available
Inhalation : May cause minor irritation to the respiratory tract and to other mucous membranes.
Skin : May cause slight irritation to the skin.
Eyes : Serious damage to eyes.
Ingestion : May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

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SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Harmful to aquatic life.

Lauramine Oxide (1643-20-5)	
LC50 - Fish [1]	134 mg/l Danio rerio (Zebrafish)
EC50 - Crustacea [1]	3.9 mg/l Daphnia magna (Water flea)
LC50 - Fish [2]	31.8 mg/l Danio rerio (Zebrafish)
NOEC (chronic)	0.7 mg/l Daphnia magna (Water flea)
NOEC chronic fish	0.42 mg/l Pimephales promelas (Fathead minnow)

D-Glucopyranose, oligomeric, C10-16(even numbered) alkyl glycosides (110615-47-9)	
LC50 - Fish [1]	2.95 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	7 mg/l Test organisms (species): Daphnia magna
LC50 - Fish [2]	5.9 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [2]	14 mg/l Test organisms (species): Daphnia magna

Caprylyl/Capryl Oligoglucoside (68515-73-1)	
LC50 - Fish [1]	100.81 mg/l Danio rerio (Zebrafish)
EC50 - Crustacea [1]	> 100 mg/l Daphnia magna (Water flea)
LC50 - Fish [2]	96.64 mg/l Juvenile turbot
EC50 - Crustacea [2]	31.62 mg/l Copepod Acartia tonsa
EC50 72h - Algae [1]	20.71 mg/l Skeletonema costatum (marine diatom)
EC50 72h - Algae [2]	37 mg/l Desmodesmus subspicatus
ErC50 algae	27.22 mg/l Desmodesmus subspicatus
NOEC (chronic)	2 mg/l Daphnia magna (Water flea)
NOEC chronic fish	1.8 mg/l Danio rerio (Zebrafish)

12.2. Persistence and degradability

Dreft(R) Bottle & Dish Soap	
Persistence and degradability	Not rapidly degradable

Lauramine Oxide (1643-20-5)	
Persistence and degradability	Readily biodegradable.

D-Glucopyranose, oligomeric, C10-16(even numbered) alkyl glycosides (110615-47-9)	
Persistence and degradability	Rapidly degradable
Biodegradation	88 % 28 days

Caprylyl/Capryl Oligoglucoside (68515-73-1)	
Persistence and degradability	Rapidly degradable

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12.3. Bioaccumulative potential

Lauramine Oxide (1643-20-5)

Bioaccumulative potential	Low bioaccumulation potential.
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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Regional waste regulation : Dispose of in accordance with applicable federal, state, and local regulations.
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

DOT	TDG	IMDG	IATA
14.1. UN number			
Not regulated for transport			
14.2. Proper Shipping Name			
Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)			
Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group			
Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards			
Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available			

14.6. Special precautions for user

DOT
Not regulated

TDG
Not regulated

IMDG
Not regulated

IATA
Not regulated

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14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA

Lauramine Oxide (1643-20-5)

Listed on the Canadian DSL (Domestic Substances List)

D-Glucopyranose, oligomeric, C10-16(even numbered) alkyl glycosides (110615-47-9)

Listed on the Canadian DSL (Domestic Substances List)

Caprylyl/Capryl Oligoglucoside (68515-73-1)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

Dreft(R) Bottle & Dish Soap

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

According to 29CFR 1910.1200 OSHA Hazard Communication Standard

Revision date : 11/22/2024

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.