

**Trade Name: Liquinox®**

**1 Identification of the substance/mixture and of the supplier**

**1.1 GHS Product identifier**

**Trade Name:** Liquinox®

**Product number:** 1201, 1201-1, 1205, 1215, 1230, 1232, 1232-1, 1255

**1.2 Application of the substance / the mixture:** Cleaning material/Detergent

**1.2.1 Recommended dilution ratio:** 1 - 2% in water

**1.3 Details of the supplier of the Safety Data Sheet**

**Manufacturer:**

Alconox Inc.  
30 Glenn St  
White Plains, NY 10603  
(914) 948-4040

**Supplier:**

**Emergency telephone number:**

ChemTel Inc  
North America: 1-888-255-3924  
International: +1 813-248-0573

**Canada: Imported by:**

Somagen Diagnostics Inc.  
9220 25 Avenue NW  
Edmonton, Alberta T6N 1E1  
Tel. 780 702 9500

**2 Hazards identification**

**2.1 Classification of the substance or mixture:**

In compliance with EC regulation No. 1272, 29CFR1910/1200 and GHS requirements.

**Hazard-determining components of labeling:**

Alcohol ethoxylate  
Sodium alkylbenzene sulfonate  
Sodium xylenesulphonate  
Lauramine oxide

**2.2 Label elements:**

Eye damage, category 1.  
Skin irritation, category 2.

**Product at recommended dilution:**

Eye irritation, category 2B

**Hazard pictograms:**



**Signal word:** Danger

**Hazard statements:**

H315 Causes skin irritation.  
H318 Causes serious eye damage.

**Trade Name: Liquinox®**

**Precautionary statements:**

- P264 Wash skin thoroughly after handling.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P302+P352 If on skin: Wash with soap and water.
- P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P501 Dispose of contents and container as instructed in Section 13.

**Hazardous Elements at Use Dilution:**

Hazard pictograms:



**Signal word:** Warning

**Hazard statements:**

H320 Causes eye irritation

**Precautionary statements:**

- P302+P352 If on skin: Wash with soap and water.
- P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P501 Dispose of contents and container as instructed in Section 13

**Additional information:** None.

**Hazard description**

**Hazards Not Otherwise Classified (HNOC):** May cause surfaces to become slippery. Use caution in areas of foot traffic if on floors.

**Information concerning particular hazards for humans and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

**Classification system:**

The classification is according to EC regulation No. 1272, 29CFR1910/1200 and GHS, and extended by company and literature data. The classification is in accordance with the latest editions of international substances lists and is supplemented by information from technical literature and by information provided by the company.

**3 Composition/information on ingredients**

**3.1 Chemical characterization:** None

**3.2 Description:** None

Trade Name: Liquinox®

**3.3 Hazardous components (percentages by weight)**

Identification	Chemical Name	Classification	Wt. %
<b>CAS number:</b> 68081-81-2 or 68411-30-3	Sodium Alkylbenzene Sulfonate	Acute Tox. 4; H303 Skin Irrit. 2 ; H315 Eye Dam. 1; H318	10-25
<b>CAS number:</b> 1300-72-7	Sodium Xylenesulphonate	Eye Irrit. 2; H319	2.5-10
<b>CAS number:</b> 84133-50-6	Alcohol Ethoxylate	Skin Irrit. 2 ; H315 Eye Dam. 1; H318	2.5-10
<b>CAS number:</b> 1643-20-5	Lauramine oxide	Skin Irrit. 2 ; H315 Eye Dam. 1; H318	1-2

**At use dilution:**

<b>CAS number:</b> 68081-81-2 or 68411-30-3	Sodium Alkylbenzene Sulfonate	Eye Irr. 2B; H319	0.1-0.25
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**3.4 Additional Information:** None.

**4 First aid measures**

**4.1 Description of first aid measures**

**General information:** None.

**After inhalation:**

Maintain an unobstructed airway.

Loosen clothing as necessary and position individual in a comfortable position.

**After skin contact:**

Wash affected area with soap and water.

Seek medical attention if symptoms develop or persist.

**After eye contact:**

Rinse/flush exposed eye(s) gently using water for 15-20 minutes.

Remove contact lens(es) if able to do so during rinsing.

Seek medical attention if irritation persists or if concerned.

**After swallowing:**

Rinse mouth thoroughly.

Seek medical attention if irritation, discomfort, or vomiting persists.

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

None

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

No additional information.

**Trade Name: Liquinox®**

**First aid measure at recommended dilution:**

**General information:** None.

**After inhalation:**

Maintain an unobstructed airway.

Loosen clothing as necessary and position individual in a comfortable position.

**After skin contact:**

Wash affected area with soap and water.

**After eye contact:**

Rinse/flush exposed eye(s) gently using water for 15-20 minutes.

Remove contact lens(es) if able to do so during rinsing.

**After swallowing:**

Rinse mouth thoroughly. Seek medical attention if irritation, discomfort, or vomiting develops.

**Trade Name: Liquinox®**

## 5 Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing agents:**

Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition.

**For safety reasons unsuitable extinguishing agents:** None

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

Thermal decomposition can lead to release of irritating gases and vapors.

### 5.3 Advice for firefighters

**Protective equipment:**

Wear protective eye wear, gloves and clothing.

Refer to Section 8.

### 5.4 Additional information:

Avoid inhaling gases, fumes, dust, mist, vapor and aerosols.

Avoid contact with skin, eyes and clothing.

## 6 Accidental release measures

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

Ensure adequate ventilation.

Ensure air handling systems are operational.

### 6.2 Environmental precautions:

Should not be released into the environment.

Prevent from reaching drains, sewer, or waterway.

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

Wear protective eye wear, gloves, and clothing.

### 6.4 Reference to other sections: None

## 7 Handling and storage

### 7.1 Precautions for safe handling:

Avoid breathing mist or vapor.

Do not eat, drink, smoke or use personal products when handling chemical substances.

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

Store in a cool, well-ventilated area.

### 7.3 Specific end use(s):

No additional information.

## 8 Exposure controls/personal protection



### 8.1 Control parameters :

25322-68-3, Poly(ethylene oxide), AIHA TWA 10 mg/m<sup>3</sup> (<0.15% present in concentrate)

**Trade Name: Liquinox®**

**8.2 Exposure controls**

**Appropriate engineering controls:**

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

**Respiratory protection:**

Not needed under normal conditions.

**Protection of skin:**

Select glove material impermeable and resistant to the substance.

**Eye protection:**

Safety goggles or glasses, or appropriate eye protection.

**General hygienic measures:**

Wash hands before breaks and at the end of work.

Avoid contact with skin, eyes and clothing.

**Exposure Control and Personal Protective Equipment at recommended dilution:**

Under normal use and operational conditions, no special personal protective equipment or engineering controls will be necessary. Handle with care.

**9 Physical and chemical properties**

<b>Appearance (physical state, color):</b>	Pale yellow liquid	<b>Explosion limit lower: Explosion limit upper:</b>	Not determined or not available. Not determined or not available.
<b>Odor:</b>	Not determined or not available.	<b>Vapor pressure at 20°C:</b>	Not determined or not available.
<b>Odor threshold:</b>	Not determined or not available.	<b>Vapor density:</b>	Not determined or not available.
<b>pH-value:</b>	8.5 (as is)	<b>Relative density:</b>	Not determined or not available.
<b>Melting/Freezing point:</b>	Not determined or not available.	<b>Solubilities:</b>	Not determined or not available.
<b>Boiling point/Boiling range:</b>	Not determined or not available.	<b>Partition coefficient (n-octanol/water):</b>	Not determined or not available.
<b>Flash point (closed cup):</b>	Not determined or not available.	<b>Auto/Self-ignition temperature:</b>	Not determined or not available.
<b>Evaporation rate:</b>	Not determined or not available.	<b>Decomposition temperature:</b>	Not determined or not available.
<b>Flammability (solid, gaseous):</b>	Not flammable	<b>Viscosity:</b>	a. Kinematic: Not determined or not available. b. Dynamic: Not determined or not available.
<b>Density at 20°C:</b>	1.08 g/mL		

**Trade Name: Liquinox®**

## **10 Stability and reactivity**

- 10.1 Reactivity:** Not determined or not available.
- 10.2 Chemical stability:** Not determined or not available.
- 10.3 Possibility hazardous reactions:** Not determined or not available.
- 10.4 Conditions to avoid:** Not determined or not available.
- 10.5 Incompatible materials:** Not determined or not available.
- 10.6 Hazardous decomposition products:** Not determined or not available.

## **11 Toxicological information**

### **11.1 Information on toxicological effects:**

#### **Acute Toxicity:**

##### **Oral:**

: LD50 >5000 mg per kg (Rat, Oral) - product.

**Chronic Toxicity:** No additional information.

#### **Skin corrosion/irritation (raw materials):**

Alcohol Ethoxylate: May cause mild to moderate skin irritation.

Sodium Alkylbenzene Sulfonate: Causes skin irritation.

Lauramine oxide: Causes skin irritation.

#### **Serious eye damage/irritation (raw materials):**

Sodium Alkylbenzene Sulfonate: Causes serious eye damage.

Alcohol Ethoxylate: Causes moderate to severe eye irritation and conjunctivitis.

Sodium xylenesulphonate: irritating to eyes.

Lauramine oxide: Causes serious eye damage.

### **Product information at recommended dilution:**

Eye irritation may occur upon direct contact with eyes. No specific hazards for skin contact, inhalation, or chronic exposure are expected within normal use parameters.

**Respiratory or skin sensitization:** No additional information.

**Carcinogenicity:** No additional information.

**IARC (International Agency for Research on Cancer):** None of the ingredients are listed.

**NTP (National Toxicology Program):** None of the ingredients are listed.

**Germ cell mutagenicity:** No additional information.

**Reproductive toxicity:** No additional information.

**STOT-single and repeated exposure:** No additional information.

**Additional toxicological information:** No additional information.

**Trade Name: Liquinox®**

**12 Ecological information**

**12.1 Toxicity:**

Sodium Alkylbenzene Sulfonate: Fish, LC50 1.67 mg/l, 96 hours.  
Sodium Alkylbenzene Sulfonate: Aquatic invertebrates, EC50 Daphnia 2.9 mg/l, 48 hours. Sodium Alkylbenzene Sulfonate: Aquatic Plants, EC50 Algae 29 mg/l, 96 hours.  
Lauramine oxide: Fish, LC50 24.3 mg/l, 96h [Killifish (Cyprinodontidae)]  
Lauramine oxide: Aquatic invertebrates, (LC50): 3.6 mg/l 96 hours [Daphnia (Daphnia)].  
Lauramine oxide: Aquatic plants, EC50 Algae 0.31 mg/l 72 hours [Algae]  
Alcohol Ethoxylate: Aquatic invertebrates, (LC50): 4.01 mg/l 48 hours [Daphnia (daphnia)].

**12.2 Persistence and degradability:** No additional information.

**12.3 Bioaccumulative potential:** No additional information.

**12.4 Mobility in soil:** No additional information.

**General notes:** No additional information.

**12.5 Results of PBT and vPvB assessment:**

**PBT:** No additional information.

**vPvB:** No additional information.

**12.6 Other adverse effects:** No additional information.

**13 Disposal considerations**

**13.1 Waste treatment methods (consult local, regional and national authorities for proper disposal)**

**Relevant Information:**

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities. (US 40CFR262.11).

**14 Transport information**

**14.1 UN Number:** None  
ADR, ADN, DOT, IMDG, IATA

**14.2 UN Proper shipping name:** None  
ADR, ADN, DOT, IMDG, IATA

**14.3 Transport hazard classes:**  
ADR, ADN, DOT, IMDG, IATA

<b>Class:</b>	None
<b>Label:</b>	None
<b>LTD.QTY:</b>	None

**US DOT  
Limited Quantity Exception:** None



**Trade Name: Liquinox®**

<p><b>Bulk:</b>  <b>RQ (if applicable):</b> None  <b>Proper shipping Name:</b>                  None <b>Hazard Class:</b> None  <b>Packing Group:</b> None  <b>Marine Pollutant (if applicable):</b> No additional information.  <b>Comments:</b> None</p>	<p><b>Non Bulk:</b>  <b>RQ (if applicable):</b> None  <b>Proper shipping Name:</b>                  None <b>Hazard Class:</b> None  <b>Packing Group:</b> None  <b>Marine Pollutant (if applicable):</b> No additional information.  <b>Comments:</b> None</p>	
<p><b>14.4 Packing group:</b>                  ADR, ADN, DOT, IMDG, IATA</p>	<p>None</p>	
<p><b>14.5 Environmental hazards:</b></p>	<p>None</p>	
<p><b>14.6 Special precautions for user:</b>  <b>Danger code (Kemler):</b>  <b>EMS number:</b>  <b>Segregation groups:</b></p>	<p>None                  None                  None                  None</p>	
<p><b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:</b> Not applicable.</p>		
<p><b>14.8 Transport/Additional information:</b>  <b>Transport category:</b>  <b>Tunnel restriction code:</b>  <b>UN "Model Regulation":</b></p>		<p>None                  None                  None</p>

**15 Regulatory information**

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

<p><b>SARA</b>  <b>Section 313 (specific toxic chemical listings):</b> None of the ingredients are listed.  <b>Section 302 (extremely hazardous substances):</b> None of the ingredients are listed.</p>
<p><b>CERCLA (Comprehensive Environmental Response, Clean up and Liability Act)</b>  <b>Reportable Spill Quantity:</b> None of the ingredients are listed.</p>
<p><b>TSCA (Toxic Substances Control Act):</b>  <b>Inventory:</b> All ingredients are listed as active.  <b>Rules and Orders:</b> Not applicable.</p>
<p><b>Proposition 65 (California):</b>  <b>Chemicals known to cause cancer:</b> None of the ingredients are listed.  <b>Chemicals known to cause reproductive toxicity for females:</b> None of the ingredients are listed.  <b>Chemicals known to cause reproductive toxicity for males:</b> None of the ingredients are listed.  <b>Chemicals known to cause developmental toxicity:</b> None of the ingredients are listed.</p>

<p><b>Canadian</b>  <b>Canadian Domestic Substances List (DSL):</b>                  All ingredients are listed.</p>
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**Trade Name: Liquinox®**

**Asia Pacific**

**Australia**

**Australian Inventory of Chemical Substances (AICS):** All ingredients are listed.

**China**

**Inventory of Existing Chemical Substances in China (IECSC):** All ingredients are listed.

**Japan**

**Inventory of Existing and New Chemical Substances (ENCS):** All ingredients are listed.

**Korea**

**Existing Chemicals List (ECL):** All ingredients are listed.

**New Zealand**

**New Zealand Inventory of Chemicals (NZOIC):** All ingredients are listed.

**Philippines**

**Philippine Inventory of Chemicals and Chemical Substances (PICCS):** All ingredients are listed.

**Taiwan**

**Taiwan Chemical Substance Inventory (TSCI):** All ingredients are listed.

**EU**

**REACH Article 57 (SVHC):** None of the ingredients are listed.

**Germany MAK:** Not classified.

**16 Other information**

**Abbreviations and Acronyms:** None

**Summary of Phrases**

**Hazard statements:**

- H315 Causes skin irritation.
- H318 Causes serious eye damage.

**Precautionary statements:**

- P264 Wash skin thoroughly after handling.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P302+P352 If on skin: Wash with soap and water.
- P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P501 Dispose of contents and container as instructed in Section 13.

**Manufacturer Statement:**

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 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.

NFPA: 1-0-0  
HMIS: 1-0-0

At recommended dilution:

NFPA: 1-0-0  
HMIS: 1-0-0