

# Safety Data Sheet

29 CFR 1910.1200 App D

## Lens Cleaning Fluid

Version number: 1.0

### SECTION 1: Identification

#### 1.1 Product identifier

|                |                            |
|----------------|----------------------------|
| Trade name     | <u>Lens Cleaning Fluid</u> |
| Product number | 14-10029                   |
| CAS number     | not relevant (mixture)     |

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

|                          |                                      |
|--------------------------|--------------------------------------|
| Relevant identified uses | Cleaning Fluid for Safety Spectacles |
|--------------------------|--------------------------------------|

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

|  |                             |
|--|-----------------------------|
| HexArmor®<br>640 Leffingwell AVE NE<br>Grand Rapids, Michigan 49505<br>United States | Telephone: (877) 668 - 3675 |
|--|-----------------------------|

#### 1.4 Emergency telephone number

As above or next toxicological information centre.

### SECTION 2: Hazard(s) identification

#### 2.1 Classification of the substance or mixture

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

| Classification |                  |          |                           |                  |
|----------------|------------------|----------|---------------------------|------------------|
| Section        | Hazard class     | Category | Hazard class and category | Hazard statement |
| B.6            | flammable liquid | 3        | Flam. Liq. 3              | H226             |

#### The most important adverse physicochemical, human health and environmental effects

The product is combustible and can be ignited by potential ignition sources.

#### 2.2 Label elements

Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

warning

GHS02



# Lens Cleaning Fluid

## Hazard statements

**H226** Flammable liquid and vapor.

## Precautionary statements

**P210** Keep away from heat/sparks/open flames/hot surfaces. No smoking.

**P233** Keep container tightly closed.

**P240** Ground/bond container and receiving equipment.

**P241** Use explosion-proof electrical/ventilating/lighting/tooling equipment.

**P242** Use only non-sparking tools.

**P243** Take precautionary measures against static discharge.

**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 or shower.

**P403+P235** Store in a well-ventilated place. Keep cool.

**P501** Dispose of contents/container in accordance with local/regional/national/international regulations.

## 2.3 Other hazards

### Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

### Remarks

Not a substance of Class 3 (does not sustain combustion).






## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not relevant (mixture).

### 3.2 Mixtures

#### Description of the mixture

| Hazardous ingredients           |                      |           |   |   |                       |
|---------------------------------|----------------------|-----------|---|---|-----------------------|
| Name of substance               | Identifier           | Wt%       | Classification acc. to GHS  | Pictograms  | Specific Conc. Limits |
| propan-2-ol                     | CAS No<br>67-63-0    | 5 - < 10  | Eye Irrit. 2 / H319<br>STOT SE 3 / H336<br>Flam. Liq. 2 / H225                          |     | -                     |
| sodium dodecylbenzenesulphonate | CAS No<br>25155-30-0 | 0.1 - < 1 | Acute Tox. 4 / H302<br>Acute Tox. 2 / H330<br>Skin Irrit. 2 / H315<br>Eye Dam. 1 / H318 |    | -                     |

The specific exact percentage (concentration) of composition has been withheld as a trade secret.

# Lens Cleaning Fluid

## SECTION 4: First-aid measures

### 4.1 Description of first-aid measures

#### General notes

Take off immediately all contaminated clothing.

In all cases of doubt, or when symptoms persist, seek medical advice.

#### Following inhalation

Provide fresh air.

Mouth to mouth resuscitation should be avoided. Use alternative methods, preferably with oxygen or compressed air driven apparatus.

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions.

#### Following skin contact

Wash with plenty of soap and water.

#### Following eye contact

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.

#### Following ingestion

Rinse mouth. Do not induce vomiting.

Get medical advice/attention if you feel unwell.

#### Notes for the doctor

None.

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

Narcotic effects.

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

None.

## SECTION 5: Fire-fighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

water spray, alcohol resistant foam, fire extinguishing powder, carbon dioxide (CO<sub>2</sub>)

#### Unsuitable extinguishing media

water jet

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

Hazardous decomposition products: Section 10.

In case of insufficient ventilation and/or in use, may form flammable/explosive vapor-air mixture.

Solvent vapors are heavier than air and may spread along floors.

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

# Lens Cleaning Fluid

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## 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes.  
Coordinate firefighting measures to the fire surroundings.  
Do not allow firefighting water to enter drains or water courses.  
Collect contaminated firefighting water separately.  
Fight fire with normal precautions from a reasonable distance.

### Special protective equipment for firefighters

use suitable breathing apparatus

## SECTION 6: Accidental release measures

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

#### For non-emergency personnel

Remove persons to safety.  
Ventilate affected area.  
Eliminate all ignition sources if safe to do so.  
Do not breathe vapor/spray.  
Do not get in eyes, on skin, or on clothing.  
Wearing of suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing.

#### For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

### 6.2 Environmental precautions

Keep away from drains, surface and ground water.  
Retain contaminated washing water and dispose of it.

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

#### Advice on how to clean up a spill

Collect spillage.  
Absorbent material (e.g. sand, diatomaceous earth, acid binder, universal binder, sawdust, etc.).

#### Appropriate containment techniques

Use of adsorbent materials.

#### Other information relating to spills and releases

Place in appropriate containers for disposal.  
Ventilate affected area.

### 6.4 Reference to other sections

Personal protective equipment: see section 8.  
Incompatible materials: see section 10.  
Disposal considerations: see section 13.

# Lens Cleaning Fluid

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation.  
Keep away from sources of ignition - No smoking.  
Take precautionary measures against static discharge.  
Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches.  
Ground/bond container and receiving equipment.  
Use explosion-proof electrical/ventilating/lighting/equipment.  
Use only non-sparking tools.

#### Specific notes/details

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.  
Vapors are heavier than air, spread along floors and form explosive mixtures with air.  
Vapors may form explosive mixtures with air.

#### Measures to protect the environment

Avoid release to the environment.

#### Advice on general occupational hygiene

Do not eat, drink and smoke in work areas.  
Remove contaminated clothing and protective equipment before entering eating areas.  
Do not breathe mist/vapors/spray.  
Do not get in eyes, on skin, or on clothing.  
Wash hands after use.  
Preventive skin protection (barrier creams/ointments) is recommended.

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

#### Explosive atmospheres

Keep container tightly closed and in a well-ventilated place.  
Use local and general ventilation.  
Keep cool.  
Protect from sunlight.

#### Flammability hazards

Keep away from sources of ignition - No smoking.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Take precautionary measures against static discharge.  
Ground/bond container and receiving equipment.  
Protect from sunlight.

#### Incompatible substances or mixtures

Incompatible materials: see section 10.

#### Protect against external exposure, such as

frost

# Lens Cleaning Fluid

## Consideration of other advice

Keep away from food, drink and animal feedingstuffs.

## Ventilation requirements

Provision of sufficient ventilation.

## Specific designs for storage rooms or vessels

Keep container tightly closed and in a well-ventilated place.

Keep cool.

## Storage temperature

recommended storage temperature: 5 - 25 °C

## Maximum storage period

5 a

## Packaging compatibilities

Keep only in original container.

## 7.3 Specific end use(s)

No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

| Occupational exposure limit values (Workplace Exposure Limits) |                   |         |            |            |                          |            |                           |          |                  |
|--|-------------------|---------|------------|------------|--------------------------|------------|---------------------------|----------|------------------|
| Country  | Name of agent     | CAS No  | Identifier | TWA [ppm]  | TWA [mg/m <sup>3</sup> ] | STEL [ppm] | STEL [mg/m <sup>3</sup> ] | Notation | Source           |
| US   | isopropyl alcohol | 67-63-0 | PEL (CA)   | 400        | 980                      | 500        | 1,225                     | -        | Cal/OSHA PEL     |
| US   | isopropyl alcohol | 67-63-0 | REL        | 400 (10 h) | 980 (10 h)               | 500        | 1,225                     | -        | NIOSH REL        |
| US   | isopropyl alcohol | 67-63-0 | PEL        | 400        | 980                      | -          | -                         | -        | 29 CFR 1910.1000 |

#### Notation

STEL short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)

TWA time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

| Relevant DNELs of components of the mixture |         |          |                       |                                    |                   |                            |
|---|---------|----------|-----------------------|------------------------------------|-------------------|----------------------------|
| Name of substance                           | CAS No  | Endpoint | Threshold level       | Protection goal, route of exposure | Used in           | Exposure time              |
| propan-2-ol                                 | 67-63-0 | DNEL     | 500 mg/m <sup>3</sup> | human, inhalatory                  | worker (industry) | chronic - systemic effects |

## Lens Cleaning Fluid

| Relevant DNELs of components of the mixture |            |           |                      |                                    |                   |                            |
|---|------------|-----------|----------------------|------------------------------------|-------------------|----------------------------|
| Name of substance                           | CAS No     | End-point | Threshold level      | Protection goal, route of exposure | Used in           | Exposure time              |
| propan-2-ol                                 | 67-63-0    | DNEL      | 888 mg/kg bw/day     | human, dermal                      | worker (industry) | chronic - systemic effects |
| sodium dodecylbenzenesulphonate             | 25155-30-0 | DNEL      | 52 mg/m <sup>3</sup> | human, inhalatory                  | worker (industry) | chronic - systemic effects |
| sodium dodecylbenzenesulphonate             | 25155-30-0 | DNEL      | 52 mg/m <sup>3</sup> | human, inhalatory                  | worker (industry) | chronic - local effects    |
| sodium dodecylbenzenesulphonate             | 25155-30-0 | DNEL      | 57.2 mg/kg bw/day    | human, dermal                      | worker (industry) | chronic - systemic effects |

| Relevant PNECs of components of the mixture |            |          |                 |                              |
|---|------------|----------|-----------------|------------------------------|
| Name of substance                           | CAS No     | Endpoint | Threshold level | Environmental compartment    |
| propan-2-ol                                 | 67-63-0    | PNEC     | 140.9 mg/l      | marine water                 |
| propan-2-ol                                 | 67-63-0    | PNEC     | 2,251 mg/l      | sewage treatment plant (STP) |
| propan-2-ol                                 | 67-63-0    | PNEC     | 552 mg/kg       | freshwater sediment          |
| propan-2-ol                                 | 67-63-0    | PNEC     | 552 mg/kg       | marine sediment              |
| propan-2-ol                                 | 67-63-0    | PNEC     | 140.9 mg/l      | freshwater                   |
| propan-2-ol                                 | 67-63-0    | PNEC     | 28 mg/kg        | soil                         |
| sodium dodecylbenzenesulphonate             | 25155-30-0 | PNEC     | 0.693 mg/l      | freshwater                   |
| sodium dodecylbenzenesulphonate             | 25155-30-0 | PNEC     | 1 mg/l          | marine water                 |
| sodium dodecylbenzenesulphonate             | 25155-30-0 | PNEC     | 50 mg/l         | sewage treatment plant (STP) |
| sodium dodecylbenzenesulphonate             | 25155-30-0 | PNEC     | 27.5 mg/kg      | freshwater sediment          |
| sodium dodecylbenzenesulphonate             | 25155-30-0 | PNEC     | 2.75 mg/kg      | marine sediment              |
| sodium dodecylbenzenesulphonate             | 25155-30-0 | PNEC     | 25 mg/kg        | soil                         |

# Lens Cleaning Fluid

## 8.2 Exposure controls

### Appropriate engineering controls

General ventilation.

### Individual protection measures (personal protective equipment)

Short-term (single instance):Wear protective gloves/eye protection/face protection not required.

### Hand protection

| Protective gloves                   |                                     |  |
|-------------------------------------|-------------------------------------|--|
| Material                            | Material thickness                  | Breakthrough times of the glove material |
| these information are not available | these information are not available | these information are not available      |

### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

### Environmental exposure controls

Use appropriate container to avoid environmental contamination.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

**Physical state**

liquid

**Color**

colorless

**Odor**

Alcohol-like

#### Other safety parameters

**pH (value)**

7

**Melting point/freezing point**

not determined

**Boiling point or initial boiling point and boiling range**

94 °C

**Flash point**

39 °C

(Abel-Pensky c.c.)

no sustained combustion was observed

**Evaporation rate**

not determined

**Flammability (solid, gas)**

not relevant

(fluid)

**Explosive limits**

not determined



# Lens Cleaning Fluid

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|   |   |
|---|---|
| <b>Vapor pressure</b>   | not determined                                |
| Density   | 0.98 g/cm <sup>3</sup> at 20 °C               |
| Vapor density   | this information is not available             |
| Relative density  | information on this property is not available |
| <b>Solubility(ies)</b>  |   |
| Water solubility  | miscible in any proportion                    |
| <b>Partition coefficient</b>                                    |   |
| n-octanol/water (log KOW)                                       | not determined                                |
| Auto-ignition temperature                                       | not determined                                |
| <b>Decomposition temperature</b>                                | not relevant                                  |
| <b>Viscosity</b>  |   |
| <b>Kinematic viscosity</b>                                      | not determined                                |
| <b>Dynamic viscosity</b>  | not determined                                |
| <b>Explosive properties</b>                                     | none  |
| <b>Oxidizing properties</b>                                     | none  |
| <b>Information for relevant hazard classes according to GHS</b> |   |
| Flammable liquids   |   |
| <b>Sustained combustibility</b>                                 | no  |
| <b>9.2 Other information</b>                                    | there is no additional information            |

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

This material is not reactive under normal ambient conditions.

If heated:

risk of ignition

### 10.2 Chemical stability

See below "Conditions to avoid".

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Keep away from heat.

# Lens Cleaning Fluid

Take precautionary measures against static discharge.

Use explosion-proof electrical/ventilating/lighting/equipment.

Use only non-sparking tools.

## 10.5 Incompatible materials

oxidizers

## 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Classification procedure

If not otherwise specified the classification is based on:

Ingredients of the mixture (additivity formula).

#### Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

#### Acute toxicity

Test data are not available for the complete mixture.

#### Acute toxicity of components of the mixture

| Name of substance                    | CAS No     | Exposure route           | Endpoint | Value                         | Species | Method                |
|--------------------------------------|------------|--------------------------|----------|-------------------------------|---------|-----------------------|
| propan-2-ol                          | 67-63-0    | inhalation:<br>vapor     | LC50     | >20 mg/l/<br>4h               | rat     | OECD<br>Guideline 403 |
| propan-2-ol                          | 67-63-0    | oral                     | LD50     | 5,840 mg/<br>kg               | rat     | OECD<br>Guideline 401 |
| propan-2-ol                          | 67-63-0    | dermal                   | LD50     | 13,100 mg/<br>kg              | rabbit  | OECD<br>Guideline 402 |
| sodium dodecylbenzenes-<br>ulphonate | 25155-30-0 | oral                     | LD50     | 650 mg/kg                     | rat     | -                     |
| sodium dodecylbenzenes-<br>ulphonate | 25155-30-0 | inhalation:<br>dust/mist | LC50     | 310 mg/m <sup>3</sup> /<br>4h | rat     | -                     |
| sodium dodecylbenzenes-<br>ulphonate | 25155-30-0 | dermal                   | LD50     | >2,000 mg/<br>kg              | rat     | -                     |

#### Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

#### Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

# Lens Cleaning Fluid

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## Respiratory or skin sensitization

### Skin sensitization

Shall not be classified as a skin sensitizer.

### Respiratory sensitization

Shall not be classified as a respiratory sensitizer.

### Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

### Carcinogenicity

Shall not be classified as carcinogenic.

### IARC Monographs

| IARC Monographs on the Evaluation of Carcinogenic Risks to Humans |         |                |        |
|---|---------|----------------|--------|
| Name of substance   | CAS No  | Classification | Number |
| propan-2-ol   | 67-63-0 | 3              | -      |

#### Legend

3 Not classifiable as to carcinogenicity in humans

### National Toxicology Program (United States)

None of the ingredients are listed.

### OSHA Carcinogens

None of the ingredients are listed.

### Reproductive toxicity

Shall not be classified as a reproductive toxicant.

### Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

### Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

### Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

## 11.2 Other information

There is no additional information.

# Lens Cleaning Fluid

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity (acute)

Test data are not available for the complete mixture.

#### Aquatic toxicity (acute) of components of the mixture

| Name of substance               | CAS No     | Endpoint | Value        | Species                              | Method             | Exposure time |
|---------------------------------|------------|----------|--------------|--------------------------------------|--------------------|---------------|
| propan-2-ol                     | 67-63-0    | LC50     | 9,640 mg/l   | fathead minnow (Pimephales promelas) | OECD Guideline 203 | 96 h          |
| propan-2-ol                     | 67-63-0    | LC50     | >10,000 mg/l | daphnia magna                        | OECD Guideline 202 | 24 h          |
| sodium dodecylbenzenesulphonate | 25155-30-0 | LC50     | 7.16 mg/l    | fish                                 | -                  | 96 h          |
| sodium dodecylbenzenesulphonate | 25155-30-0 | EC50     | 6.3 mg/l     | aquatic invertebrates                | -                  | 48 h          |
| sodium dodecylbenzenesulphonate | 25155-30-0 | ErC50    | 29 mg/l      | algae                                | -                  | 96 h          |

#### Aquatic toxicity (chronic)

Test data are not available for the complete mixture.

#### Aquatic toxicity (chronic) of components of the mixture

| Name of substance               | CAS No     | Endpoint | Exposure time | Value      | Species               | Method |
|---------------------------------|------------|----------|---------------|------------|-----------------------|--------|
| sodium dodecylbenzenesulphonate | 25155-30-0 | LC50     | 24 h          | 6.4 mg/l   | fish                  | -      |
| sodium dodecylbenzenesulphonate | 25155-30-0 | EC50     | 24 h          | 12 mg/l    | aquatic invertebrates | -      |
| sodium dodecylbenzenesulphonate | 25155-30-0 | NOEC     | 30 d          | 3.965 mg/l | fish                  | -      |
| sodium dodecylbenzenesulphonate | 25155-30-0 | LOEC     | 28 d          | 2 mg/l     | fish                  | -      |

# Lens Cleaning Fluid

## 12.2 Persistence and degradability

### Degradability of components of the mixture

| Name of substance | CAS No  | Process          | Degradation rate | Time | Method        |
|-------------------|---------|------------------|------------------|------|---------------|
| propan-2-ol       | 67-63-0 | oxygen depletion | 53 %             | 5 d  | EU method C.5 |

### Biodegradation

No data available.

### Persistence

No data available.

## 12.3 Bioaccumulative potential

Test data are not available for the complete mixture.

### Bioaccumulative potential of components of the mixture

| Name of substance               | CAS No     | Log KOW                   |
|---------------------------------|------------|---------------------------|
| propan-2-ol                     | 67-63-0    | 0.05 (20 °C)              |
| sodium dodecylbenzenesulphonate | 25155-30-0 | 1.96 (pH value: 7, 25 °C) |

## 12.4 Mobility in soil

No data available.

## 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

## 12.6 Other adverse effects

This information is not available.

### Remarks

Wassergefährdungsklasse, WGK (water hazard class): 1 (Slightly hazardous to water)  
(Self-classification)

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Dispose of contents/container in accordance with local/regional/national/international regulations.

#### Sewage disposal-relevant information

Do not empty into drains.

#### Waste treatment of containers/packages

Completely emptied packages can be recycled.  
Handle contaminated packages in the same way as the substance itself.

# Lens Cleaning Fluid

## Remarks

Please consider the relevant national or regional provisions.

## SECTION 14: Transport information

|      |  |              |
|------|--|--------------|
| 14.1 | UN number  | not assigned |
| 14.2 | UN proper shipping name  | -            |
| 14.3 | Transport hazard class(es)   | -            |
| 14.4 | Packing group  | -            |
| 14.5 | Environmental hazards  | -            |
| 14.6 | Special precautions for user                                       | -            |
| 14.7 | Transport in bulk according to Annex II of MARPOL and the IBC Code | -            |

## 14.8 Information for each of the UN Model Regulations

### Transport of dangerous goods by road or rail (49 CFR US DOT) Additional information

Not subject to transport regulations.

Remarks

Not a substance of Class 3 (does not sustain combustion).

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations specific for the product in question

#### National regulations (United States)

#### Superfund Amendment and Reauthorization Act (SARA TITLE III )

#### The List of Extremely Hazardous Substances and Their Threshold Planning Quantities (EPCRA Section 302, 304)

none of the ingredients are listed

#### Specific Toxic Chemical Listings (EPCRA Section 313)

| Toxics Release Inventory: Specific Toxic Chemical Listings |         |   |                |
|--|---------|---|----------------|
| Name of substance  | CAS No  | Remarks   | Effective date |
| propan-2-ol  | 67-63-0 | only persons who manufacture by the strong acid process are subject, supplier notification not required | 1987-01-01     |

# Lens Cleaning Fluid

## Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

### List of Hazardous Substances and Reportable Quantities (CERCLA section 102a) (40 CFR 302.4)

| Name of substance               | CAS No     | Remarks | Statutory code | Final RQ pounds (Kg) |
|---------------------------------|------------|---------|----------------|----------------------|
| sodium dodecylbenzenesulphonate | 25155-30-0 | -       | 1              | 1000 (454)           |

**Legend**

1 "1" indicates that the statutory source is section 311(b)(2) of the Clean Water Act

## Clean Air Act

none of the ingredients are listed

## Right to Know Hazardous Substance List

### Hazardous Substance List (NJ-RTK)

| Name of substance               | CAS No     | Remarks | Classifications |
|---------------------------------|------------|---------|-----------------|
| sodium dodecylbenzenesulphonate | 25155-30-0 | -       |                 |
| propan-2-ol                     | 67-63-0    | -       | F3.             |

**Legend**

F3 Flammable - Third Degree

## California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987

none of the ingredients are listed

## Industry or sector specific available guidance(s)

### NPCA-HMIS® III

Hazardous Materials Identification System.  
American Coatings Association.

| Category            | Rating | Description  |
|---------------------|--------|--|
| Chronic             | /      | none   |
| Health              | 0      | no significant risk to health  |
| Flammability        | 1      | material that must be preheated before ignition can occur  |
| Physical hazard     | 0      | material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive |
| Personal protection | -      | -  |

### NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

# Lens Cleaning Fluid

| Category       | Degree of hazard | Description   |
|----------------|------------------|---|
| Flammability   | 1                | material that must be preheated before ignition can occur   |
| Health         | 0                | material that, under emergency conditions, would offer no hazard beyond that of ordinary combustible material |
| Instability    | 0                | material that is normally stable, even under fire conditions  |
| Special hazard | -                | -   |

## 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

### SECTION 16: Other information, including date of preparation or last revision

Date of preparation: 2021-08-24

#### Abbreviations and acronyms

| Abbr.            | Descriptions of used abbreviations   |
|------------------|--|
| 29 CFR 1910.1000 | 29 CFR 1910.1000, Tables Z-1, Z-2, Z-3 - Occupational Safety and Health Standards: Toxic and Hazardous Substances (permissible exposure limits)                                  |
| 49 CFR US DOT    | 49 CFR U.S. Department of Transportation   |
| Acute Tox.       | Acute toxicity   |
| Cal/OSHA PEL     | California Division of Occupational Safety and Health (Cal/OSHA): Permissible Exposure Limits (PELs)   |
| CAS              | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)   |
| DGR              | Dangerous Goods Regulations (see IATA/DGR)   |
| DNEL             | Derived No-Effect Level  |
| EC50             | Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval |
| ErC50            | ≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control           |
| Eye Dam.         | Seriously damaging to the eye  |
| Eye Irrit.       | Irritant to the eye  |
| Flam. Liq.       | Flammable liquid   |
| GHS              | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations  |
| IARC Monographs  | IARC Monographs on the Evaluation of Carcinogenic Risks to Humans  |
| IATA             | International Air Transport Association  |
| IATA/DGR         | Dangerous Goods Regulations (DGR) for the air transport (IATA)   |



# Lens Cleaning Fluid

| Abbr.          | Descriptions of used abbreviations  |
|----------------|---|
| IMDG           | International Maritime Dangerous Goods Code   |
| LC50           | Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval |
| LD50           | Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval                  |
| LOEC           | Lowest Observed Effect Concentration  |
| log KOW        | n-Octanol/water   |
| MARPOL         | International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")   |
| NIOSH REL      | National Institute for Occupational Safety and Health (NIOSH): Recommended Exposure Limits (RELs)   |
| NOEC           | No Observed Effect Concentration  |
| NPCA-HMIS® III | National Paint and Coatings Association: Hazardous Materials Identification System - HMIS® III, Third Edition                                     |
| OSHA           | Occupational Safety and Health Administration (United States)   |
| PBT            | Persistent, Bioaccumulative and Toxic   |
| PEL            | Permissible exposure limit  |
| PNEC           | Predicted No-Effect Concentration   |
| ppm            | Parts per million   |
| Skin Corr.     | Corrosive to skin   |
| Skin Irrit.    | Irritant to skin  |
| STEL           | Short-term exposure limit   |
| STOT SE        | Specific target organ toxicity - single exposure  |
| TWA            | Time-weighted average   |
| vPvB           | Very Persistent and very Bioaccumulative  |

## Key literature references and sources for data

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Transport of dangerous goods by road or rail (49 CFR US DOT).

International Maritime Dangerous Goods Code (IMDG).

Dangerous Goods Regulations (DGR) for the air transport (IATA).

## Classification procedure

Physical and chemical properties.

Health hazards.

Environmental hazards.

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

# Lens Cleaning Fluid

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## List of relevant phrases (code and full text as stated in chapter 2 and 3)

| Code | Text                               |
|------|------------------------------------|
| H225 | Highly flammable liquid and vapor. |
| H226 | Flammable liquid and vapor.        |
| H302 | Harmful if swallowed.              |
| H315 | Causes skin irritation.            |
| H318 | Causes serious eye damage.         |
| H319 | Causes serious eye irritation.     |
| H330 | Fatal if inhaled.                  |
| H336 | May cause drowsiness or dizziness. |

### Responsible for the safety data sheet

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### Disclaimer

This information is based upon the present state of our knowledge.  
This SDS has been compiled and is solely intended for this product.