



Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

Lexol® All Leather Cleaner

Version number: GHS 6.0
Replaces version of: 2020-06-30 (GHS 5)

Revision: 2020-10-21

SECTION 1: Identification

1.1 Product identifier

Trade name

Lexol® All Leather Cleaner

Alternative number(s)

012844617436, 012844040272, 312090002131,
012844693102

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

Relevant identified uses

Consumer uses

1.3 Details of the supplier of the safety data sheet

Energizer Manufacturing, Inc.
25225 Detroit Rd.
Westlake OH 44145
United States

Telephone: 800-383-7323; 314-985-2000 (USA / CANADA)
Website: <http://data.energizer.com>

Energizer Trading Ltd.
Sword House, Totteridge Road, High Wycombe, HP13 6DG, UK

Telephone: +44(0)8000353376
e-mail: ConsumerServiceEU@energizer.com

1.4 Emergency telephone number

Emergency information service

1-314-985-1511 Int'l: 1-800-526-4727
This number is only available during the following
office hours: Mon-Fri 09:00 AM - 05:00 PM

SECTION 2: Hazard(s) identification

2.1 Classification of the substance or mixture

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

| Section | Hazard class | Category | Hazard class and category | Hazard statement |
|---------|-----------------------------------|----------|---------------------------|------------------|
| A.3 | serious eye damage/eye irritation | 2 | Eye Irrit. 2 | H319 |

For full text of abbreviations: see SECTION 16.

2.2 Label elements

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

- Signal word warning

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- Pictograms

GHS07



- Hazard statements

H319 Causes serious eye irritation.

- Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P280 Wear eye protection/face protection.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

2.3 Other hazards

Hazards not otherwise classified

Contains Alcohols, secondary C11-15, ethoxylated. May produce an allergic reaction.

Results of PBT and vPvB assessment

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



SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

Description of the mixture

| Name of substance | Identifier | Wt% | Classification acc. to GHS | Pictograms |
|---|----------------------|---------|---|---|
| ammonium chloride | CAS No 12125-02-9 | 1 – < 5 | Acute Tox. 4 / H302 Eye Irrit. 2 / H319 |  |
| Alcohols, secondary C11-15, ethoxylated | CAS No 68131-40-8 | < 1 | Acute Tox. 4 / H302 Skin Sens. 1B / H317 |  |

For full text of abbreviations: see SECTION 16.



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SECTION 4: First-aid measures

4.1 Description of first- aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

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

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

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, BC-powder, Carbon dioxide (CO₂)

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Nitrogen oxides (NO_x), Carbon monoxide (CO), Carbon dioxide (CO₂)

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.



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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

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 contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

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

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

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

Use local and general ventilation. Use only in well-ventilated areas.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Control of the effects

Protect against external exposure, such as

Frost

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7.3 Specific end use(s)

See section 16 for a general overview.

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/m³] | STEL [ppm] | STEL [mg/m³] | Ceiling-C [ppm] | Ceiling-C [mg/m³] | Notation | Source |
| US | ammonium chloride | 12125-02-9 | PEL (CA) | | 10 | | 20 | | | fume | Cal/ OSHA PEL |
| US | ammonium chloride | 12125-02-9 | REL | | 10 (10 h) | | 20 | | | fume | NIOSH REL |
| US | ammonium chloride | 12125-02-9 | TLV® | | 10 | | 20 | | | fume | AC-GIH® 2019 |
| US | glycerine | 56-81-5 | REL | | | | | | | mist, appx-D | NIOSH REL |
| US | glycerol | 56-81-5 | PEL | | 15 | | | | | mist, i | 29 CFR 1910.1000 |
| US | glycerol | 56-81-5 | PEL | | 5 | | | | | mist, r | 29 CFR 1910.1000 |

Notation

| | |
|-----------|--|
| appx-D | see Appendix D - Substances with No Established RELs |
| Ceiling-C | ceiling value is a limit value above which exposure should not occur |
| fume | as fume |
| i | inhalable fraction |
| mist | as mists |
| r | respirable fraction |
| 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 | End-point | Threshold level | Protection goal, route of exposure | Used in | Exposure time |
|-------------------|------------|-----------|-----------------|------------------------------------|-------------------|----------------------------|
| ammonium chloride | 12125-02-9 | DNEL | 190 mg/kg | human, dermal | worker (industry) | chronic - systemic effects |



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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 |
|-------------------|------------|-----------|------------------------|------------------------------------|-------------------|----------------------------|
| ammonium chloride | 12125-02-9 | DNEL | 33.5 mg/m ³ | human, inhalatory | worker (industry) | chronic - systemic effects |

Relevant PNECs of components of the mixture

| Name of substance | CAS No | End-point | Threshold level | Organism | Environmental compartment | Exposure time |
|---|------------|-----------|-----------------|-----------------------|------------------------------|------------------------------|
| ammonium chloride | 12125-02-9 | PNEC | 1.2 mg/l | aquatic organisms | freshwater | short-term (single instance) |
| ammonium chloride | 12125-02-9 | PNEC | 11.2 mg/l | aquatic organisms | marine water | short-term (single instance) |
| ammonium chloride | 12125-02-9 | PNEC | 16.2 mg/l | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |
| ammonium chloride | 12125-02-9 | PNEC | 0.163 mg/kg | terrestrial organisms | soil | short-term (single instance) |
| ammonium chloride | 12125-02-9 | PNEC | 1.2 mg/l | aquatic organisms | water | intermittent release |
| Alcohols, secondary C11-15, ethoxylated | 68131-40-8 | PNEC | 0.00153 mg/l | aquatic organisms | freshwater | short-term (single instance) |
| Alcohols, secondary C11-15, ethoxylated | 68131-40-8 | PNEC | 0.000153 mg/l | aquatic organisms | marine water | short-term (single instance) |
| Alcohols, secondary C11-15, ethoxylated | 68131-40-8 | PNEC | 6.43 mg/kg | aquatic organisms | marine sediment | short-term (single instance) |
| Alcohols, secondary C11-15, ethoxylated | 68131-40-8 | PNEC | 12.9 mg/kg | terrestrial organisms | soil | short-term (single instance) |
| Alcohols, secondary C11-15, ethoxylated | 68131-40-8 | PNEC | 8.24 mg/l | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |
| Alcohols, secondary C11-15, ethoxylated | 68131-40-8 | PNEC | 64.3 mg/kg | aquatic organisms | freshwater sediment | short-term (single instance) |
| Alcohols, secondary C11-15, ethoxylated | 68131-40-8 | PNEC | 0.0153 mg/l | aquatic organisms | water | intermittent release |

8.2 Exposure controls

Appropriate engineering controls

General ventilation.



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Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

- Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

| | |
|----------------|----------------------|
| Physical state | liquid |
| Color | Conforms to Standard |
| Odor | Conforms to standard |

Other safety parameters

| | |
|---|-----------------------|
| pH (value) | 6 – 8 |
| Melting point/freezing point | not determined |
| Initial boiling point and boiling range | 100 °C |
| Flash point | > 93 C |
| Evaporation rate | not determined |
| Flammability (solid, gas) | not relevant, (fluid) |



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Explosive limits

| | |
|-------------------------------|---|
| - Lower explosion limit (LEL) | 2.7 vol% |
| - Upper explosion limit (UEL) | 19 vol% |
| Vapor pressure | 0.003 mmHg at 50 °C |
| Density | not determined |
| Vapor density | this information is not available |
| Relative density | information on this property is not available |
| Solubility(ies) | not determined |

Partition coefficient

| | |
|------------------------------|------------------------------------|
| - n-octanol/water (log KOW) | this information is not available |
| Auto-ignition temperature | |
| Viscosity | not determined |
| Explosive properties | none |
| Oxidizing properties | none |
| 9.2 Other information | there is no additional information |

SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.



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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. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

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

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

Acute toxicity

Shall not be classified as acutely toxic.

Acute toxicity estimate (ATE) of components of the mixture

| Name of substance | CAS No | Exposure route | ATE |
|---|------------|----------------|-------------|
| ammonium chloride | 12125-02-9 | oral | 1,410 mg/kg |
| Alcohols, secondary C11-15, ethoxylated | 68131-40-8 | oral | 2,000 mg/kg |

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitization

Contains Alcohols, secondary C11-15, ethoxylated. May produce an allergic reaction.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

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).



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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.

SECTION 12: Ecological information

12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Data are not available.

12.6 Other adverse effects

Endocrine disrupting potential

None of the ingredients are listed.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packages

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

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.



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SECTION 14: Transport information

- 14.1 UN number** not subject to transport regulations
- 14.2 UN proper shipping name** not assigned
- 14.3 Transport hazard class(es)** not assigned
- 14.4 Packing group** not assigned
- 14.5 Environmental hazards** non-environmentally hazardous acc. to the dangerous goods regulations
- 14.6 Special precautions for user**
There is no additional information.
- 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code**
The cargo is not intended to be carried in bulk.

Information for each of the UN Model Regulations

DOT

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

Not subject to transport regulations.

International Maritime Dangerous Goods Code (IMDG)

Not subject to IMDG.

International Civil Aviation Organization (ICAO-IATA/DGR)

Not subject to ICAO-IATA.

SECTION 15: Regulatory information

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

National regulations (United States)

Toxic Substance Control Act (TSCA) all ingredients are listed

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) |
|-------------------|------------|---------|----------------|----------------------|
| ammonium chloride | 12125-02-9 | | 1 | 5000 (2270) |

Legend

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



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Right to Know Hazardous Substance List

- Cleaning Product Right to Know Act Substance List (CA-RTK)

| Name of substance | Name acc. to inventory | CAS No | Functional-ity | Authoritative Lists |
|--|------------------------|------------|----------------|----------------------------|
| Water | | 7732-18-5 | solvents | |
| Ammonium Lauryl Ether Sulfate | | 2235-54-3 | surfactant | |
| Glycerol | | 56-81-5 | solvents | |
| Ammonium chloride | | 12125-02-9 | buffer | |
| Cocoamide MEA | | 68140-00-1 | surfactant | |
| 1,3-bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione | DMDM hydantoin | 6440-58-0 | preservative | Nonfunctional constituents |
| Alcohols, secondary C11-15, ethoxylated | | 68131-40-8 | surfactant | |
| Dorisyl | | 32210-23-4 | fragrance | |
| Benzyl benzoate | Benzyl benzoate | 120-51-4 | fragrance | EU Fragrance Allergens |
| Water | | 7732-18-5 | solvents | |
| Citric acid | | 77-92-9 | preservative | |
| 2,6-xlenol | 2,4-Dimethylphenol | 105-67-9 | preservative | CWA 303(c) CWA 303(d) |

- Toxic or Hazardous Substance List (MA-TURA)

| Name of substance | Name acc. to inventory | CAS No | DEP CODE | PBT / HHS / LHS | PBT / HHS Thres hold | De Minimis Concentration Threshold |
|-------------------|------------------------|-----------|----------|-----------------|----------------------|------------------------------------|
| ammonium chloride | Ammonia | 7664-41-7 | | | | 1.0 % |

- Hazardous Substances List (MN-ERTK)

| Name of substance | Name acc. to inventory | CAS No | References | Remarks |
|-------------------|------------------------|------------|------------|---------|
| Glycerol | Glycerin | 56-81-5 | A | mist |
| ammonium chloride | Ammonium chloride | 12125-02-9 | A | fume |

Legend

A American Conference of Governmental Industrial Hygienists (ACGIH), "Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices for 1992-93", available from ACGIH
fume Small solid particles formed by the condensation of vapors of solid materials.



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- Hazardous Substance List (NJ-RTK)

| Name of substance | Name acc. to inventory | CAS No | Remarks | Classifications |
|-------------------|--------------------------------|------------|---------|-----------------|
| Glycerol | glycerine (1,2,3-Propanetriol) | 56-81-5 | | |
| ammonium chloride | ammonium chloride | 12125-02-9 | | |

- Hazardous Substance List (Chapter 323) (PA-RTK)

| Name of substance | Name acc. to inventory | CAS No | Classification |
|-------------------|--|------------|----------------|
| Glycerol | 1,2,3-PROPANETRIOL | 56-81-5 | |
| ammonium chloride | AMMONIUM CHLORIDE ((NH ₄)CL) | 12125-02-9 | E |

Legend

E Environmental hazard

- Hazardous Substance List (RI-RTK)

| Name of substance | Name acc. to inventory | CAS No | References |
|-------------------|--------------------------|------------|------------|
| Glycerol | glycerol(glycerin mist) | 56-81-5 | T, F |
| ammonium chloride | Ammonium chloride - fume | 12125-02-9 | T, F |

Legend

F Flammability (NFPA®)
T Toxicity (ACGIH®)

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

Proposition 65 List of chemicals

| Name acc. to inventory | CAS No | Remarks | Type of the toxicity |
|------------------------|---------|---------|----------------------|
| formaldehyde | 50-00-0 | gas | cancer |
| methanol | 67-56-1 | | developmental |

Industry or sector specific available guidance(s)

NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.



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| Category | Rating | Description |
|---------------------|--------|--|
| Chronic | * | chronic (long-term) health effects may result from repeated overexposure |
| Health | 2 | temporary or minor injury may occur |
| Flammability | 0 | material that will not burn under typical fire conditions |
| 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).

| Category | Degree of hazard | Description |
|----------------|------------------|---|
| Flammability | 0 | material that will not burn under typical fire conditions |
| 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 | | |

National inventories

| Country | Inventory | Status |
|---------|------------|--------------------------------|
| AU | AICS | all ingredients are listed |
| CA | DSL | all ingredients are listed |
| CN | IECSC | all ingredients are listed |
| EU | ECSI | not all ingredients are listed |
| EU | REACH Reg. | not all ingredients are listed |
| JP | CSCL-ENCS | not all ingredients are listed |
| JP | ISHA-ENCS | not all ingredients are listed |
| KR | KECI | all ingredients are listed |
| MX | INSQ | not all ingredients are listed |
| NZ | NZIoC | all ingredients are listed |
| PH | PICCS | all ingredients are listed |
| TR | CICR | not all ingredients are listed |



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| Country | Inventory | Status |
|---------|-----------|----------------------------|
| TW | TCSI | all ingredients are listed |
| US | TSCA | all ingredients are listed |

Legend

| | |
|------------|---|
| AICS | Australian Inventory of Chemical Substances |
| CICR | Chemical Inventory and Control Regulation |
| CSCL-ENCS | List of Existing and New Chemical Substances (CSCL-ENCS) |
| DSL | Domestic Substances List (DSL) |
| ECSI | EC Substance Inventory (EINECS, ELINCS, NLP) |
| IECSC | Inventory of Existing Chemical Substances Produced or Imported in China |
| INSQ | National Inventory of Chemical Substances |
| ISHA-ENCS | Inventory of Existing and New Chemical Substances (ISHA-ENCS) |
| KECI | Korea Existing Chemicals Inventory |
| NZIoC | New Zealand Inventory of Chemicals |
| PICCS | Philippine Inventory of Chemicals and Chemical Substances (PICCS) |
| REACH Reg. | REACH registered substances |
| TCSI | Taiwan Chemical Substance Inventory |
| TSCA | Toxic Substance Control Act |

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

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

Indication of changes (revised safety data sheet)

| Section | Former entry (text/value) | Actual entry (text/value) | Safety-relevant |
|---------|---|--|-----------------|
| 2.1 | | Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200): change in the listing (table) | yes |
| 2.2 | | - Hazard statements: change in the listing (table) | yes |
| 2.2 | | - Precautionary statements: change in the listing (table) | yes |
| 2.2 | - Hazardous ingredients for labelling: glycerol, ammonium chloride | | yes |
| 3.2 | | Description of the mixture: change in the listing (table) | yes |
| 8.1 | | Relevant DNELs of components of the mixture: change in the listing (table) | yes |
| 8.1 | | Relevant PNECs of components of the mixture: change in the listing (table) | yes |
| 11.1 | Acute toxicity: Harmful if swallowed. | Acute toxicity: Shall not be classified as acutely toxic. | yes |



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| Section | Former entry (text/value) | Actual entry (text/value) | Safety-relevant |
|---------|---------------------------|--|-----------------|
| 11.1 | | - Acute toxicity estimate (ATE): change in the listing (table) | yes |
| 11.1 | | Acute toxicity estimate (ATE) of components of the mixture: change in the listing (table) | yes |
| 15.1 | | Cleaning Product Right to Know Act Substance List (CA-RTK): change in the listing (table) | yes |
| 15.1 | | Toxic or Hazardous Substance List (MA-TURA): change in the listing (table) | yes |
| 15.1 | | Hazardous Substances List (MN-ERTK): change in the listing (table) | yes |
| 15.1 | | Hazardous Substance List (NJ-RTK): change in the listing (table) | yes |
| 15.1 | | Hazardous Substance List (Chapter 323) (PA-RTK): change in the listing (table) | yes |
| 15.1 | | Hazardous Substance List (RI-RTK): change in the listing (table) | yes |
| 15.1 | | Proposition 65 List of chemicals: change in the listing (table) | yes |
| 15.1 | | NFPA® 704: change in the listing (table) | yes |
| 15.1 | | National inventories: change in the listing (table) | yes |

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 |
| ACGIH® | American Conference of Governmental Industrial Hygienists |
| ACGIH® 2019 | From ACGIH®, 2019 TLVs® and BEIs® Book. Copyright 2019. Reprinted with permission. Information on the proper use of the TLVs® and BEIs®: http://www.acgih.org/tlv-bei-guidelines/policies-procedures-presentations/tlv-bei-position-statement |
| Acute Tox. | Acute toxicity |
| ATE | Acute Toxicity Estimate |



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| Abbr. | Descriptions of used abbreviations |
|----------------|---|
| 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) |
| Ceiling-C | Ceiling value |
| DEP CODE | Department of Environmental Protection Code |
| DGR | Dangerous Goods Regulations (see IATA/DGR) |
| DNEL | Derived No-Effect Level |
| DOT | Department of Transportation (USA) |
| EINECS | European Inventory of Existing Commercial Chemical Substances |
| ELINCS | European List of Notified Chemical Substances |
| Eye Dam. | Seriously damaging to the eye |
| Eye Irrit. | Irritant to the eye |
| GHS | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations |
| HHS | Higher hazard substance |
| IATA | International Air Transport Association |
| IATA/DGR | Dangerous Goods Regulations (DGR) for the air transport (IATA) |
| ICAO | International Civil Aviation Organization |
| IMDG | International Maritime Dangerous Goods Code |
| LHS | Lower hazard substance |
| MARPOL | International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant") |
| NFPA® | National Fire Protection Association (United States) |
| NIOSH REL | National Institute for Occupational Safety and Health (NIOSH): Recommended Exposure Limits (RELs) |
| NLP | No-Longer Polymer |
| 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 |
| RTECS | Registry of Toxic Effects of Chemical Substances (database of NIOSH with toxicological information) |



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| Abbr. | Descriptions of used abbreviations |
|------------|--|
| Skin Sens. | Skin sensitization |
| STEL | Short-term exposure limit |
| TLV® | Threshold Limit Values |
| 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: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

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

| Code | Text |
|------|--------------------------------------|
| H302 | Harmful if swallowed. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |

Disclaimer

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