



Toilet Bowl Cleaner, Cloralen Bleach

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SDS ID:

Issue date: 3/24/2020 Revision date: 6/20/2024 Supersedes: 3/24/2022 Version: 2.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Trade name : Toilet Bowl Cleaner, Cloralen Bleach
CAS-No. : NA
Product code : 6050598
Other means of identification : No additional information available

1.2. Recommended use and restrictions on use

Use of the substance/mixture : TOILET / URINAL CARE
Use of the substance/mixture : Toilet Bowl Cleaner
Bathroom Cleaner
Restrictions on use : This product is not intended for industrial uses or as a sanitizing agent.

1.3. Supplier

Manufacturer

AEn USA
Suite 500
14825 Northwest Freeway
Houston, USA, Texas 77040
USA
T 1-800-615-3191
www.alenusa.com

1.4. Emergency telephone number

Emergency number : U.S: 800.424.9300 – 24 Hrs.

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

| | | |
|---|------|------------------------|
| Skin corrosion/irritation Category 2 | H315 | Causes skin irritation |
| Serious eye damage/eye irritation Category 2B | H320 | Causes eye irritation |

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) : 

Signal word (GHS US) : Warning

Hazard statements (GHS US) : H315 - Causes skin irritation
H320 - Causes eye irritation

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Precautionary statements (GHS US) : P264 - Wash hands, forearms and face thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 - If on skin: Wash with plenty of 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.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.

2.3. Other hazards which do not result in classification

Other hazards which do not result in classification : None under normal conditions.

2.4. Unknown acute toxicity (GHS US)

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % |
|------------------------|--------------------|-------|
| | CAS-No.: 1310-73-2 | 1 - 3 |
| Sodium Hypochlorite | CAS-No.: 7681-52-9 | 3 - 5 |
| Sodium laureth sulfate | CAS-No.: 9004-82-4 | 2 - 4 |

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

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 general : Depending on the victim's condition: doctor/hospital. If you feel unwell, seek medical advice.
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
First-aid measures after 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.
First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

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

Potential Adverse human health effects and symptoms : Causes skin irritation. Causes serious eye irritation.
Symptoms/effects after skin contact : Irritation.
Symptoms/effects after eye contact : Mild eye irritation.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

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SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Specific hazards arising from the chemical

Fire hazard : Non combustible.
Explosion hazard : No data available on direct explosion hazard.
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. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Gloves. Face shield. Protective clothing. Protective goggles.
Emergency procedures : Ventilate spillage area. 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 : Contain released product, collect/pump into suitable containers.
Methods for cleaning up : Take up liquid spill into absorbent material.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.
Handling temperature :
Hygiene measures : Wash contaminated clothing before reuse. 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 : Store in a well-ventilated place. Keep cool.
Incompatible products : Strong acids.

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Storage area : Store at ambient temperature. Ventilation at floor level. Keep locked up. Store in a cool area.
Store in a dry area.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Viscous, green liquid.
Color : light green
Odor : chlorine-like
Odor threshold : No data available
pH : 12.3 – 13.5
Melting point : No data available
Freezing point : No data available
Boiling point : No data available
Flash point : No data available
Relative evaporation rate (butyl acetate=1) : No data available
Flammability (solid, gas) : Not applicable.
Vapor pressure : No data available
Relative vapor density at 20°C : No data available
Relative density : No data available

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| | |
|---|---------------------|
| Density | : 1.04 – 1.07 g/ml |
| Solubility | : No data available |
| 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 | : 500 – 900 cP |
| Explosion limits | : No data available |
| Explosive properties | : No data available |
| Oxidizing 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 under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

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 |

(1310-73-2)

| | |
|--------------------|-------------------------|
| LD50 dermal rabbit | 1350 mg/kg Source: NCIS |
| ATE US (dermal) | 1350 mg/kg body weight |

Sodium Hypochlorite (7681-52-9)

| | |
|---------------|---|
| LD50 oral rat | 1100 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity) |
|---------------|---|

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| Sodium Hypochlorite (7681-52-9) | |
|---|--|
| LD50 dermal rabbit | > 20000 mg/kg body weight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: other: |
| LC50 Inhalation - Rat (Vapours) | > 10.5 mg/l |
| ATE US (oral) | 1100 mg/kg body weight |
| Sodium laureth sulfate (9004-82-4) | |
| LD50 dermal rabbit | 1600 mg/kg Source: Corporate Solution From Thomson Micromedex |
| ATE US (dermal) | 1600 mg/kg body weight |
| Skin corrosion/irritation | : Causes skin irritation. pH: 12.3 – 13.5 |
| (1310-73-2) | |
| pH | 14 (50 %) |
| Sodium Hypochlorite (7681-52-9) | |
| pH | 9 – 10 (4 - 7 %) |
| Sodium laureth sulfate (9004-82-4) | |
| pH | 7.9 – 9 Source: Corporate Solution From Thomson Micromedex |
| Serious eye damage/irritation | : Causes eye irritation. pH: 12.3 – 13.5 |
| (1310-73-2) | |
| pH | 14 (50 %) |
| Sodium Hypochlorite (7681-52-9) | |
| pH | 9 – 10 (4 - 7 %) |
| Sodium laureth sulfate (9004-82-4) | |
| pH | 7.9 – 9 Source: Corporate Solution From Thomson Micromedex |
| Respiratory or skin sensitization | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Sodium Hypochlorite (7681-52-9) | |
| IARC group | 3 - Not classifiable |
| Reproductive toxicity | : Not classified |
| STOT-single exposure | : Not classified |
| STOT-repeated exposure | : Not classified |
| Aspiration hazard | : Not classified |
| Viscosity, kinematic | : No data available |
| (1310-73-2) | |
| Viscosity, kinematic | No data available in the literature |
| Sodium Hypochlorite (7681-52-9) | |
| Viscosity, kinematic | No data available in the literature |
| Potential Adverse human health effects and symptoms | : Causes skin irritation. Causes serious eye irritation. |

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Symptoms/effects after skin contact : Irritation.
Symptoms/effects after eye contact : Mild eye irritation.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Toxic to aquatic life.

(1310-73-2)

| | |
|----------------------|--|
| LC50 - Fish [1] | 45 mg/l (96 h, Oncorhynchus mykiss, Literature study, Solution <50%) |
| EC50 - Crustacea [1] | 76 mg/l (24 h, Daphnia magna, Literature study, Solution <50%) |

Sodium Hypochlorite (7681-52-9)

| | |
|----------------------|---|
| LC50 - Fish [1] | 0.033 – 0.097 mg/l Source: International Uniform Chemical Information Database |
| EC50 - Crustacea [1] | 141 µg/l Test organisms (species): Daphnia magna |
| EC50 - Crustacea [2] | 35 µg/l Test organisms (species): Ceriodaphnia dubia |
| EC50 72h - Algae [1] | 0.0365 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) |
| EC50 72h - Algae [2] | 0.0183 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) |

Sodium laureth sulfate (9004-82-4)

| | |
|----------------------|--|
| EC50 - Crustacea [1] | 3.12 mg/l Source: The ECOTOXicology database |
|----------------------|--|

12.2. Persistence and degradability

(1310-73-2)

| | |
|-------------------------------|-----------------------------------|
| Persistence and degradability | Biodegradability: not applicable. |
| Chemical oxygen demand (COD) | Not applicable |
| ThOD | Not applicable |
| BOD (% of ThOD) | Not applicable |

Sodium Hypochlorite (7681-52-9)

| | |
|-------------------------------|-----------------------------------|
| Persistence and degradability | Biodegradability: not applicable. |
|-------------------------------|-----------------------------------|

12.3. Bioaccumulative potential

(1310-73-2)

| | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | -3.88 Source: SRC |
| Bioaccumulative potential | No test data of component(s) available. |

Sodium Hypochlorite (7681-52-9)

| | |
|---------------------------|--|
| Bioaccumulative potential | Does not contain bioaccumulative component(s). |
|---------------------------|--|

Sodium laureth sulfate (9004-82-4)

| | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 1.62 Source: Quantitative Structure Activity Relation |
|---|---|

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12.4. Mobility in soil

| (1310-73-2) | |
|-----------------|---|
| Surface tension | No data available in the literature |
| Ecology - soil | No (test) data on mobility of the component(s) available. |

| Sodium Hypochlorite (7681-52-9) | |
|---------------------------------|--|
| Surface tension | No data available in the literature |
| Ecology - soil | Contains component(s) with potential for mobility in the soil. May be harmful to plant growth, blooming and fruit formation. |

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

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

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (DOT) : Not regulated
Proper Shipping Name (TDG) : Not regulated
Proper Shipping Name (IMDG) : Not regulated
Proper Shipping Name (IATA) : Not regulated

14.3. Transport hazard class(es)

DOT
Transport hazard class(es) (DOT) : Not regulated

TDG
Transport hazard class(es) (TDG) : Not regulated

IMDG
Transport hazard class(es) (IMDG) : Not regulated

IATA
Transport hazard class(es) (IATA) : Not regulated

14.4. Packing group

Packing group (DOT) : Not regulated
Packing group (TDG) : Not regulated
Packing group (IMDG) : Not regulated
Packing group (IATA) : Not regulated

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14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

DOT

Not regulated

TDG

Not regulated

IMDG

Not regulated

IATA

Not regulated

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 present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

(1310-73-2)

CERCLA RQ

1000 lb

Sodium Hypochlorite (7681-52-9)

CERCLA RQ

100 lb

15.2. International regulations

CANADA

(1310-73-2)

Listed on the Canadian DSL (Domestic Substances List)

Sodium Hypochlorite (7681-52-9)

Listed on the Canadian DSL (Domestic Substances List)

Sodium laureth sulfate (9004-82-4)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

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National regulations

(1310-73-2)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Sodium Hypochlorite (7681-52-9)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

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

| Component | State or local regulations |
|--------------------------------|---|
| (1310-73-2) | U.S. - Massachusetts - Right To Know List |
| Sodium Hypochlorite(7681-52-9) | U.S. - Massachusetts - Right To Know List |

SECTION 16: Other information

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Revision date : 6/20/2024

| Full text of H-phrases | |
|------------------------|------------------------|
| H315 | Causes skin irritation |
| H320 | Causes eye irritation |

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.