

SECTION 1 Identification

1.1. Product identifier

Product form : Mixture
Product name : Lunosept Activ
Product code : 144

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Bleaching agents
Restrictions on use : For professional use only

1.4. Supplier's details

Christeyns North America, LLC
311 Staton Road
Greenville, NC 27834
USA
T 252-756-8616 / 800.869.6171
info@christeyns.us - www.christeyns.com

1.5. Emergency phone number

Emergency number : VELOCITY EHS (800) 255-3924 (24 HOURS)
(For use only in the event of emergencies involving a spill, leak, fire, exposure, or accident involving chemicals)

SECTION 2 Hazard Identification

2.1. Classification of the substance or mixture

GHS US classification

| | | |
|---|------|---|
| Oxidising solid, Category 2 | H272 | May intensify fire; oxidizer. |
| Acute toxicity (oral), Category 4 | H302 | Harmful if swallowed. |
| Skin corrosion/irritation, Category 2 | H315 | Causes skin irritation. |
| Serious eye damage/eye irritation, Category 2 | H319 | Causes serious eye irritation. |
| Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation | H335 | May cause respiratory irritation. |
| Hazardous to the aquatic environment — Acute Hazard, Category 1 | H400 | Very toxic to aquatic life. |
| Hazardous to the aquatic environment — Chronic Hazard, Category 1 | H410 | Very toxic to aquatic life with long lasting effects. |

Full text of H statements : see section 16

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US) :



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| | |
|-----------------------------------|---|
| Signal word (GHS US) | : Danger |
| Hazard statements (GHS US) | : H272 - May intensify fire; oxidizer H302 - Harmful if swallowed H315 - Causes skin irritation H319 - Causes serious eye irritation H335 - May cause respiratory irritation H400 - Very toxic to aquatic life H410 - Very toxic to aquatic life with long lasting effects |
| Precautionary statements (GHS US) | : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P261 - Avoid breathing dust or fumes. P264 - Wash hands, forearms and face thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P271 - Use only outdoors or in a well-ventilated area. P280 - Wear protective gloves, protective clothing, and eye protection. P301+P312 - If swallowed: Call a poison center or doctor if you feel unwell. P302+P352 - If on skin: Wash with plenty of water. P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312 - Call a poison center or doctor if you feel unwell. P362+P364 - Take off contaminated clothing and wash it before reuse. P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P405 - Store locked up. P501 - Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations. |

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % |
|---|----------------------|---------|
| Sodium dichloroisocyanurate dihydrate | CAS-No.: 51580-86-0 | 10 - 30 |
| Sodium silicate | CAS-No.: 1344-09-8 | 10 - 30 |
| Alcohols, C13-15-branched and linear, ethoxylated | CAS-No.: 157627-86-6 | 1 - 5 |

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

SECTION 4 First aid measures

4.1. Description of necessary first-aid measures

| | |
|---------------------------------------|--|
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. Treat symptomatically. Get medical attention if symptoms occur. |
| First-aid measures after skin contact | : Rinse skin with plenty of water or shower. If irritation persists, get medical attention. |
| First-aid measures after eye contact | : Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, get medical attention. |
| First-aid measures after ingestion | : Rinse mouth with water if the person is conscious. Do not induce vomiting unless directed by medical personnel. Get medical attention if you feel unwell. |

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4.2. Most important symptoms/effects, acute and delayed

No additional information available

4.3. Indication of immediate medical attention and special treatment needed, if necessary

No additional information available

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.

5.2. Specific hazards arising from the chemical

Fire hazard : May intensify fire; oxidizer.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. In case of fire, do not breathe fumes. Move containers from the fire area if you can do so without risk. Prevent firefighting water from entering the environment.

Protection during firefighting : Wear a self-contained breathing apparatus. Do not attempt to take action without suitable protective equipment.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Protective equipment : For spills or leaks, contact a supervisor and/or emergency responder. Avoid contact with spilled material and keep unnecessary personnel away.

For emergency responders

Protective equipment : See Section 8 for recommended personal protective equipment. Ventilate the area and restrict access to the spill or leak zone. Have emergency procedures in place for treating exposures or incidents. Only trained and authorized personnel equipped with proper protective equipment should perform cleanup.

Environmental precautions : Avoid release onto the ground, into storm sewers, or bodies of water.

6.2. Methods and materials for containment and cleaning up

Methods for cleaning up : Stop leak if safe to do so. Contain spillage, soak up with non-combustible absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite) and collect all waste in suitable, labeled, and closed containers. Dispose according to local legislation (See Section 13).

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Handle in accordance with good industrial hygiene and safety practices. Use only with adequate ventilation. Avoid contact with skin, eyes, and clothing. Use appropriate personal protection equipment (PPE). Wash thoroughly after handling.

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7.2. Conditions for safe storage, including incompatibilities

Storage conditions : Keep away from sources of heat or ignition.
Incompatible products : Never mix with other materials.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable guidelines, use only with adequate ventilation. Eye wash facilities and emergency showers must be available when handling this product.

8.3. Individual protection measures, such as personal protective equipment

Materials for protective clothing:

Wear suitable protective clothing. Long sleeved protective clothing.

Hand protection:

Chemical resistant PVC gloves

Eye protection:

Safety glasses with side shields.

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state : Solid
Color : White
Odor : Chlorine
Odor threshold : No data available
pH : 9.1 – 10.1 (1%)
Melting point : No data available
Freezing point : No data available
Boiling point : No data available
Flash point : No data available
Flammability (solid, gas) : No data available
Vapor pressure : No data available
Relative vapor density at 20°C : No data available
Relative density : No data available
Density : 0.958 kg/l
Solubility : No data available
Log Pow : No data available
Autoignition temperature : No data available
Decomposition temperature : No data available
Viscosity, kinematic : No data available
Explosion limits : No data available
Particle characteristics : No data available

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Sodium dichloroisocyanurate dihydrate

| | |
|--------------------------|-------------------|
| Particle characteristics | No data available |
|--------------------------|-------------------|

Sodium silicate

| | |
|--------------------------|-------------------|
| Particle characteristics | No data available |
|--------------------------|-------------------|

Alcohols, C13-15-branched and linear, ethoxylated

| | |
|--------------------------|-------------------|
| Particle characteristics | No data available |
|--------------------------|-------------------|

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10 Stability and reactivity

10.1. Reactivity

Corrosive product. Reacts with acids, organic materials, ammonia, or reducing agents; may release chlorine gas.

10.2. Chemical stability

Stable under recommended storage conditions. Decomposes with heat, sunlight, or contamination with incompatible materials.

10.3. Possibility of hazardous reactions

Mixing with incompatible materials (acids/bases or oxidizers) may cause exothermic reactions or gas release.

10.4. Conditions to avoid

Avoid heat, direct sunlight, and contamination with acids, organic materials, reducing agents, metals (iron, copper, nickel) and combustible substances. Avoid mixing with other cleaning products.

10.5. Incompatible materials

Incompatible with acids, ammonia, amines, organic materials, reducing agents, and most metals. Avoid contact with peroxides and peracids.

10.6. Hazardous decomposition products

Decomposition may produce chlorine or other toxic and irritating gases.

SECTION 11 Toxicological information

11.1. Information on toxicological effects

| | |
|-----------------------------|-------------------------|
| Acute toxicity (oral) | : Harmful if swallowed. |
| Acute toxicity (dermal) | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

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| | |
|---------------|----------------------------|
| ATE US (oral) | 1678.979 mg/kg body weight |
|---------------|----------------------------|

Sodium dichloroisocyanurate dihydrate (51580-86-0)

| | |
|---------------|---|
| LD50 oral rat | 1823 mg/kg Source: e-Chemportal ; HPVIS |
|---------------|---|

| | |
|-----------------|---|
| LD50 dermal rat | > 5000 mg/kg Source: e-Chemportal ; HPVIS |
|-----------------|---|

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| Sodium silicate (1344-09-8) | |
|--|---|
| LD50 oral rat | 3400 mg/kg Source: SIDS |
| LD50 dermal rat | > 5000 mg/kg body weight Animal: rat, Guideline: EPA OPPTS 870.1200 (Acute Dermal Toxicity) |
| LC50 Inhalation - Rat | > 2.06 mg/l air Animal: rat, Guideline: EPA OPPTS 870.1300 (Acute inhalation toxicity) |
| Skin corrosion/irritation | : Causes skin irritation. pH: 9.1 – 10.1 (1%) |
| Serious eye damage/irritation | : Causes serious eye irritation. pH: 9.1 – 10.1 (1%) |
| Respiratory or skin sensitization | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Reproductive toxicity | : Not classified |
| Sodium silicate (1344-09-8) | |
| NOAEL (animal/female, F0/P) | > 159 mg/kg body weight Animal: rat, Animal sex: female |
| STOT-single exposure | : May cause respiratory irritation. |
| Sodium dichloroisocyanurate dihydrate (51580-86-0) | |
| STOT-single exposure | May cause respiratory irritation. |
| Sodium silicate (1344-09-8) | |
| STOT-single exposure | May cause respiratory irritation. |
| STOT-repeated exposure | : Not classified |
| Aspiration hazard | : Not classified |
| Lunosept Activ | |
| Viscosity, kinematic | No data available |
| Sodium dichloroisocyanurate dihydrate (51580-86-0) | |
| Viscosity, kinematic | No data available |
| Sodium silicate (1344-09-8) | |
| Viscosity, kinematic | No data available |
| Alcohols, C13-15-branched and linear, ethoxylated (157627-86-6) | |
| Viscosity, kinematic | No data available |

SECTION 12 Ecological information

12.1. Ecotoxicity

Hazardous to the aquatic environment, short-term (acute) : Very toxic to aquatic life.

Hazardous to the aquatic environment, long-term (chronic) : Very toxic to aquatic life with long lasting effects.

| Sodium dichloroisocyanurate dihydrate (51580-86-0) | |
|---|--------------------------|
| LC50 - Fish [1] | 0.25 mg/l Source: ECOTOX |

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| Sodium dichloroisocyanurate dihydrate (51580-86-0) | |
|---|---|
| EC50 - Crustacea [1] | 0.28 mg/l Source: ECOTOX |
| Sodium silicate (1344-09-8) | |
| LC50 - Fish [1] | 1108 mg/l Source: SIDS |
| EC50 - Crustacea [1] | 1700 mg/l Source: SIDS |
| EC50 72h - Algae [1] | 345 mg/l Source: SIDS |
| EC50 72h - Algae [2] | > 345.4 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |

12.2. Persistence and degradability

| Lunosept Activ | |
|--|------------------------|
| Persistence and degradability | Not rapidly degradable |
| Sodium dichloroisocyanurate dihydrate (51580-86-0) | |
| Persistence and degradability | Not rapidly degradable |
| Sodium silicate (1344-09-8) | |
| Persistence and degradability | Not rapidly degradable |
| Alcohols, C13-15-branched and linear, ethoxylated (157627-86-6) | |
| Persistence and degradability | Not rapidly degradable |

12.3. Bioaccumulative potential

| Sodium dichloroisocyanurate dihydrate (51580-86-0) | |
|---|------------------------|
| Log Pow | -0.06 Source: EPISUITE |

12.4. Mobility in soil

| Sodium dichloroisocyanurate dihydrate (51580-86-0) | |
|---|------------------------|
| Mobility in soil | 7.483 Source: EPISUITE |

12.5. Other adverse effects

No additional information available

SECTION 13 Disposal considerations

| | |
|------------------------------|---|
| Regional legislation (waste) | : Avoid unauthorized disposal. Do not dump into any body of water. Comply with federal, state/provincial and local laws/regulations. Do not reuse empty containers. |
| Waste treatment methods | : Do not allow the product to contaminate any body of water. Refer to Section 8 for personal protection equipment. |

SECTION 14 Transport information

In accordance with DOT

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| DOT | |
|---|---|
| 14.1. UN number | UN2465 |
| 14.2. Proper Shipping Name | Dichloroisocyanuric acid salts |
| Transport document description | UN2465 Dichloroisocyanuric acid salts, 5.1, II |
| 14.3. Transport hazard class(es) | 5.1 |
| |  |
| 14.4. Packing group | II |
| 14.5. Environmental hazards | Dangerous for the environment: Yes |
| No supplementary information available | |

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

| | |
|---|----------|
| DOT | |
| UN-No. (DOT) | : UN2465 |
| DOT Packaging Exceptions (49 CFR 173.xxx) | : 152 |
| DOT Packaging Non Bulk (49 CFR 173.xxx) | : 212 |
| DOT Packaging Bulk (49 CFR 173.xxx) | : 240 |

SECTION 15 Regulatory information

15.1. 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, except for:

| | | |
|---|---------------------|----------|
| Sodium dichloroisocyanurate dihydrate | CAS-No. 51580-86-0 | 10 - 30% |
| Alcohols, C13-15-branched and linear, ethoxylated | CAS-No. 157627-86-6 | 1 - 5% |

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

15.2. International regulations

No additional information available

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15.3. 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 |
|---|---|
| Sodium dichloroisocyanurate dihydrate(51580-86-0) | U.S. - Massachusetts - Right To Know List; U.S. - Pennsylvania - RTK (Right to Know) List |

SECTION 16 Other information

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

Issue date : 2/5/2026

| Full text of hazard classes and H-statements | |
|--|--|
| H272 | May intensify fire; oxidizer |
| H302 | Harmful if swallowed |
| H315 | Causes skin irritation |
| H319 | Causes serious eye irritation |
| H335 | May cause respiratory irritation |
| H400 | Very toxic to aquatic life |
| H410 | Very toxic to aquatic life with long lasting effects |

Safety Data Sheet (SDS), USA ML

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.