

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue date: 4/24/2025 Version: 1.0

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
Recommended use : Laundry
Restrictions on use : For professional use only

1.4. Supplier's details

UNX-Christeyns, LLC
707 E Arlington Blvd.
Greenville, NC 27835
USA
T 252-756-8616 / 800.869.6171
www.unxchristeyns.com - info@unxchristeyns.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 1B	H314	Causes severe skin burns and eye damage.
Serious eye damage/eye irritation, Category 1	H318	Causes serious eye damage.
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.

Full text of H statements : see section 16

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US) :



LUNOSEPT ACTIV

Safety Data Sheet

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

Signal word (GHS US)	: Danger
Hazard statements (GHS US)	: H272 - May intensify fire; oxidizer H302 - Harmful if swallowed H314 - Causes severe skin burns and eye damage H335 - May cause respiratory irritation H400 - Very toxic to aquatic life
Precautionary statements (GHS US)	: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P260 - Do not breathe dusts or mists. 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, eye protection, face protection, and hearing protection. P301+P312 - If swallowed: Call a poison center or doctor if you feel unwell. P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting. P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. 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. P310 - Immediately call a poison center or doctor. P312 - Call a poison center or doctor if you feel unwell. P330 - Rinse mouth. P363 - Take off immediately all contaminated clothing and wash it before reuse. P391 - Collect spillage. P403+P233 - Store in a well-ventilated place. Keep container tightly closed. 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
Silicic Acid, Sodium Salt	CAS-No.: 1344-09-8	10-30

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.
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, call a physician.
First-aid measures after ingestion	: Call a poison center or doctor if you feel unwell.

LUNOSEPT ACTIV

Safety Data Sheet

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

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

No additional information available

5.3. Special protective equipment and precautions for fire-fighters

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

No additional information available

For emergency responders

Protective equipment : Concerning personal protective equipment to use, see section 8.

Environmental precautions : Avoid release to the environment. Collect all waste in suitable and labeled containers and dispose according to local legislation.

6.2. Methods and materials for containment and cleaning up

Other information : Dispose of materials or solid residues at an authorized site.

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin, eyes, and clothing. Do not eat, drink, or smoke when using this product. Use appropriate personal protection equipment (PPE).

7.2. Conditions for safe storage, including incompatibilities

Storage conditions : Store in a dry place. Store in a closed container.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

No additional information available

LUNOSEPT ACTIV

Safety Data Sheet

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

8.2. Appropriate engineering controls

- Appropriate engineering controls : Use engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations.
- Environmental exposure controls : Store chemicals in designated areas with appropriate containment measures (e.g. spill trays, secondary containment). Have readily available spill kits with appropriate absorbent materials.

8.3. Individual protection measures, such as personal protective equipment

Hand protection:
Chemical resistant PVC gloves
Eye protection:
Safety Glasses

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	: 9.6 ± 0.5 (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

Sodium dichloroisocyanurate, dihydrate

Particle characteristics	No data available
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Silicic Acid, Sodium Salt

Particle characteristics	No data available
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9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

LUNOSEPT ACTIV

Safety Data Sheet

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

SECTION 10 Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Contact with acids liberates toxic gas (chlorine).

10.4. Conditions to avoid

Contact with acids liberates toxic gas (chlorine). Humid air.

10.5. Incompatible materials

Never mix with other materials.

10.6. Hazardous decomposition products

No additional information available.

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

Sodium dichloroisocyanurate, dihydrate (51580-86-0)

LD50 oral rat	500 – 1600
LD50 dermal rabbit	> 5000 mg/kg
ATE US (oral)	500 mg/kg body weight

Skin corrosion/irritation : Causes severe skin burns.
pH: 9.6 ± 0.5 (1%)

Serious eye damage/irritation : Causes serious eye damage.
pH: 9.6 ± 0.5 (1%)

Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified
STOT-single exposure : May cause respiratory irritation.

Sodium dichloroisocyanurate, dihydrate (51580-86-0)

STOT-single exposure	May cause respiratory irritation.
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STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

LUNOSEPT ACTIV

Safety Data Sheet

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

LUNOSEPT ACTIV	
Viscosity, kinematic	No data available
Sodium dichloroisocyanurate, dihydrate (51580-86-0)	
Viscosity, kinematic	No data available
Silicic Acid, Sodium Salt (1344-09-8)	
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) : Not classified.

Sodium dichloroisocyanurate, dihydrate (51580-86-0)	
LC50 - Fish [1]	0.25 mg/l
EC50 - Crustacea [1]	0.28 mg/l

12.2. Persistence and degradability

LUNOSEPT ACTIV	
Persistence and degradability	Readily biodegradable.
Sodium dichloroisocyanurate, dihydrate (51580-86-0)	
Persistence and degradability	Rapidly degradable
Silicic Acid, Sodium Salt (1344-09-8)	
Persistence and degradability	No data available.

12.3. Bioaccumulative potential

LUNOSEPT ACTIV	
Bioaccumulative potential	No data available.
Silicic Acid, Sodium Salt (1344-09-8)	
Bioaccumulative potential	No data available.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

LUNOSEPT ACTIV

Safety Data Sheet


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

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

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

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%
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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

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

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Full text of hazard classes and H-statements	
H272	May intensify fire; oxidizer
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H335	May cause respiratory irritation
H400	Very toxic to aquatic life

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.