

SECTION 1 Identification**1.1. Product identifier**

Product form : Mixture
Product name : SURGE
Product code : 58

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 : Laundry detergent
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**

Serious eye damage/eye irritation, Category 2A H319 Causes serious eye irritation.
Full text of H statements : see section 16

2.2. Label elements**GHS US labeling**

Hazard pictograms (GHS US) :



Signal word (GHS US) : Warning
Hazard statements (GHS US) : H319 - Causes serious eye irritation
Precautionary statements (GHS US) : P264 - Wash hands, forearms and face thoroughly after handling.
P280 - Wear eye 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 or attention.

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SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Sodium chloride	CAS-No.: 7647-14-5	30 - 60
Sodium carbonate	CAS-No.: 497-19-8	10 - 30
Sodium sulfate	CAS-No.: 7757-82-6	5 - 10
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.

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 : Decomposition products may include carbon oxides.

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.

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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 : Collect all waste in suitable, labeled, and closed containers. Dispose according to local registration (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.

7.2. Conditions for safe storage, including incompatibilities

Storage conditions : Store upright in a tightly closed, suitably labeled container. Store in a dry, cool, well-ventilated area with appropriate designated containment measures. Keep out of reach of children. Have readily available spill kits with appropriate absorbent materials. Protect from sunlight. Store in original labeled containers.

Incompatible products : Never mix with other materials.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

Sodium carbonate (497-19-8)

USA - OSHA - Occupational Exposure Limits

OSHA PEL TWA	10 mg/m ³ Total dust; 5 mg/m ³ Respirable fraction
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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.

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8.3. Individual protection measures, such as personal protective equipment

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 with blue specks
Odor	: Perfume
Odor threshold	: No data available
pH	: 11.1
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	: 1.1 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 chloride

Particle characteristics	No data available
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Sodium carbonate

Particle characteristics	No data available
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Sodium sulfate

Particle characteristics	No data available
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Alcohols, C13-15-branched and linear, ethoxylated

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

No additional information available

SECTION 10 Stability and reactivity

10.1. Reactivity

Not reactive under normal conditions of use, storage, and transport.

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10.2. Chemical stability

Stable under recommended storage conditions. Decomposes slowly when exposed to heat, sunlight, or contamination with incompatible materials.

10.3. Possibility of hazardous reactions

Gas release or exothermic reactions may occur if mixed with incompatible materials.

10.4. Conditions to avoid

Avoid contact with incompatible materials, heat, and direct sunlight. Avoid mixing with other cleaning products.

10.5. Incompatible materials

Incompatible with strong oxidizing agents, strong acids, and strong bases.

10.6. Hazardous decomposition products

Thermal decomposition may produce carbon oxides (CO, CO₂) and irritating/toxic vapors.

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

Sodium chloride (7647-14-5)

LD50 oral rat	3000 mg/kg Source: ChemIDplus
LD50 dermal rabbit	> 10000 mg/kg Source: ChemIDplus
LC50 Inhalation - Rat (Dust/Mist)	> 10.5 mg/l Source: Corporate Solution From Thomson Micromedex

Sodium carbonate (497-19-8)

LD50 oral rat	2800 mg/kg Source: OECD Screening Information Data Set
LD50 dermal rabbit	> 2000 mg/kg Source: OECD Screening Information Data Set
LC50 Inhalation - Rat (Dust/Mist)	1.2 mg/l Source: SIDS

Sodium sulfate (7757-82-6)

LD50 oral rat	> 10000 mg/kg Source: OECD Screening Information Data Set
LC50 Inhalation - Rat	> 2.4 mg/l air Animal: rat, Guideline: OECD Guideline 436 (Acute Inhalation Toxicity: Acute Toxic Class Method)

Skin corrosion/irritation : Not classified
pH: 11.1

Serious eye damage/irritation : Causes serious eye irritation.
pH: 11.1

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

Carcinogenicity : Not classified

Reproductive toxicity : Not classified
STOT-single exposure : Not classified

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STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

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Viscosity, kinematic	No data available
Sodium chloride (7647-14-5)	
Viscosity, kinematic	No data available
Sodium carbonate (497-19-8)	
Viscosity, kinematic	No data available
Sodium sulfate (7757-82-6)	
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) : Not classified
Hazardous to the aquatic environment, long-term (chronic) : Not classified

Sodium chloride (7647-14-5)	
LC50 - Fish [1]	5840 mg/l Test organisms (species): Lepomis macrochirus
LOEC (chronic)	441 mg/l Test organisms (species): Daphnia pulex Duration: '21 d'
NOEC (chronic)	314 mg/l Test organisms (species): Daphnia pulex Duration: '21 d'
Sodium carbonate (497-19-8)	
LC50 - Fish [1]	300 mg/l Source: International Uniform Chemical Information Database
EC50 - Crustacea [1]	200 – 227 mg/l Source: OECD Screening Information Data Set
EC50 - Crustacea [2]	200 – 227 mg/l Test organisms (species): Ceriodaphnia sp.
EC50 96h - Algae [1]	242 mg/l Source: ECOTOX
Sodium sulfate (7757-82-6)	
LC50 - Fish [1]	7960 mg/l Source: OECD Screening Information Data Set
EC50 - Crustacea [1]	≈ 3150.21 mg/l Test organisms (species): Ceriodaphnia dubia
LC50 - Fish [2]	≈ 7960 mg/l Test organisms (species): Pimephales promelas

12.2. Persistence and degradability

SURGE	
Persistence and degradability	Not rapidly degradable
Sodium chloride (7647-14-5)	
Persistence and degradability	Not rapidly degradable

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Sodium carbonate (497-19-8)	
Persistence and degradability	Not rapidly degradable
Sodium sulfate (7757-82-6)	
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 carbonate (497-19-8)	
Log Pow	-6.19 Source: Quantitative Structure Activity Relation
Sodium sulfate (7757-82-6)	
Log Pow	-3 Source: OECD Screening Information Data Set

12.4. Mobility in soil

No additional information available

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

DOT	
14.1. UN number	
Not regulated for transport	
14.2. Proper Shipping Name	
Not regulated	
14.3. Transport hazard class(es)	
Not regulated	
14.4. Packing group	
Not regulated	
14.5. Environmental hazards	
Not regulated	
No supplementary information available	

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14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

DOT

Not regulated

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:

Alcohols, C13-15-branched and linear, ethoxylated	CAS-No. 157627-86-6	1 - 5%
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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 sulfate(7757-82-6)	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

Revision date : 5/4/2026

Issue date : 2/27/2026

Full text of hazard classes and H-statements

H319	Causes serious eye irritation
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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.