

SECTION 1: Product and company identification

Product name : Sun Shield
 Use of the substance/mixture : Stabilizer
 CAS No : 108-80-5
 Product code : 069501
 Company : Share Corporation
 P.O. Box 245013
 Milwaukee, WI 53224 - USA
 T (414) 355-4000
 Emergency number : Chemtrec: (800) 424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Eye Irrit. 2A H319
 Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :



GHS07

Signal word (GHS-US) : Warning
 Hazard statements (GHS-US) : Causes serious eye irritation
 Precautionary statements (GHS-US) : Wash thoroughly after handling
 Wear eye protection, protective clothing, protective gloves
 If in eyes: 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

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable
 Full text of H-phrases: see section 16

3.2. Mixture

Name	Product identifier	%	Classification (GHS-US)
1,3,5-triazine-2,4,6-triol	(CAS No) 108-80-5	60 - 100	Eye Irrit. 2A, H319

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : If you feel unwell, seek medical advice (show the label where possible).
 First-aid measures after inhalation : Remove the victim into fresh air. Artificial respiration and/or oxygen if necessary. Do not apply mouth-to-mouth resuscitation. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a physician immediately.
 First-aid measures after skin contact : Take off contaminated clothing. Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
 First-aid measures after eye contact : Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
 First-aid measures after ingestion : Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Causes serious eye irritation.

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- Symptoms/injuries after inhalation : May cause respiratory irritation.
- Symptoms/injuries after skin contact : Contact during a long period may cause light irritation. May cause moderate irritation.
- Symptoms/injuries after eye contact : Causes serious eye irritation.
- Symptoms/injuries after ingestion : Gastrointestinal complaints. Irritating to mouth, throat and stomach.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Adapt extinguishing media to the environment.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Combustion produces irritating gases. May form combustible dust concentrations in air.
- Explosion hazard : Dust cloud can be ignited by a spark.
- Reactivity : Thermal decomposition may produce oxides of carbon and nitrogen.

5.3. Advice for firefighters

- Firefighting instructions : Exercise caution when fighting any chemical fire.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Isolate from fire, if possible, without unnecessary risk. Evacuate unnecessary personnel.

6.1.1. For non-emergency personnel

- Protective equipment : Do not enter without an appropriate protective equipment.
- Emergency procedures : Avoid contact with skin, eyes and clothing. Wash contaminated clothes.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area. Stop release. Stop leak if safe to do so.

6.2. Environmental precautions

Isolate hazard area. Stop leak if safe to do so.

6.3. Methods and material for containment and cleaning up

- For containment : Contain released substance, pump into suitable containers. Following product recovery, flush area with water.
- Methods for cleaning up : On land, sweep or shovel into suitable containers. Prevent dust cloud formation. This material and its container must be disposed of in a safe way, and as per local legislation. Wash clothing and equipment after handling.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : Where excessive dust may result, use approved respiratory protection equipment. Keep away from heat, sparks and flame. Handle unclean empty containers as full ones.
- Precautions for safe handling : Do not breathe dust. Avoid contact with skin and eyes. Avoid raising powdered material due to explosion hazard. Carry operations in the open/under local exhaust/ventilation or with respiratory protection. Handling this product may result in electrostatic accumulation. Use proper grounding procedures. Use only explosion-free electrical equipment with earth. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers.
- Hygiene measures : Wash thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Must not come into contact with food or be consumed.
- Storage conditions : Keep away from food and drink. Keep container closed when not in use. Keep cool. Protect from sunlight. Protect from freezing. Store in a dry place. Store in a closed container.
- Incompatible products : Refer to Section 10 on Incompatible Materials.
- Storage area : Fireproof storeroom. Provide for an automatic sprinkler system. Use corrosion-resistant structural materials, lighting and ventilation systems in the storage area. Floors should be sealed to prevent absorption of this material. Inspect all incoming containers before storage to ensure containers are properly labeled and not damaged.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Personal protective equipment : Dust formation: dust mask. Gloves. Protective clothing. Protective goggles. Use appropriate personal protective equipment when risk assessment indicates this is necessary.



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: White. Granular powder.
Odor	: Odorless
Odor threshold	: No data available
pH	: 4.8 (saturated aqueous solutions)
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)	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Vapor pressure	: No data available
Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Specific gravity / density	: 0.73 - 0.83 g/ml
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Thermal decomposition may produce oxides of carbon and nitrogen.

10.2. Chemical stability

Hygroscopic. Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization does not occur.

10.4. Conditions to avoid

Moisture. Heat. Incompatible materials.

10.5. Incompatible materials

Strong oxidizing agents. Isocyanuric acid, ammonia-chlorine mixtures are explosive if warmed or if chlorine is in excess, owing to formation of nitrogen trichloride. Hydrazine, hydroxylamine and calcium nitride ignite in chlorines such as isocyanuric acid, and nitrogen triiodide may explode on contact with chlorines. During chlorination of impure biuret in water at 20 degrees C, a violent explosion occurred. This was attributed to conversion of the cyanuric

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acid impurity (3%) to nitrogen trichloride and spontaneous explosion of the latter. During chlorination of 2,4,6-triketo-hexahydro-1,3,5-triazine (cyanuric acid), presence of the diaminoketo and aminodiketo analogues as impurities, or of an unusually low pH value, may lead to formation of nitrogen trichloride.

10.6. Hazardous decomposition products

When heated to decomposition, emits toxic fumes. Nitrogen oxides. Carbon monoxide. Carbon dioxide. 2,4,6-trichloro-1,3,5-triazine, cyanuric chloride.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

1,3,5-triazine-2,4,6-triol (108-80-5)	
LD50 oral rat	> 5000 mg/kg (Rat)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit)

Skin corrosion/irritation : Not classified
pH: 4.8 (saturated aqueous solutions)

Serious eye damage/irritation : Causes serious eye irritation.
pH: 4.8 (saturated aqueous solutions)

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

Symptoms/injuries after inhalation : May cause respiratory irritation.

Symptoms/injuries after skin contact : Contact during a long period may cause light irritation. May cause moderate irritation.

Symptoms/injuries after eye contact : Causes serious eye irritation.

Symptoms/injuries after ingestion : Gastrointestinal complaints. Irritating to mouth, throat and stomach.

Likely routes of exposure : Skin and eyes contact.;Ingestion.

SECTION 12: Ecological information

12.1. Toxicity

1,3,5-triazine-2,4,6-triol (108-80-5)	
LC50 fish 1	> 1000 mg/l (LC50; 96 h)
EC50 Daphnia 1	6000 mg/l (EC50; 48 h)
Threshold limit algae 1	655 mg/l (EC50; 96 h)

12.2. Persistence and degradability

1,3,5-triazine-2,4,6-triol (108-80-5)	
Persistence and degradability	Biodegradability in soil: no data available.

12.3. Bioaccumulative potential

1,3,5-triazine-2,4,6-triol (108-80-5)	
Bioaccumulative potential	No bioaccumulation data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose of contents/container to comply with local/regional/national regulations.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT : Not regulated for transport

Additional information

Other information : No supplementary information available.

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ADR

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture does not 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.

California Proposition 65 - This product does not contain a substance(s) known to the state of California to cause cancer and/or reproductive toxicity

SECTION 16: Other information

Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.

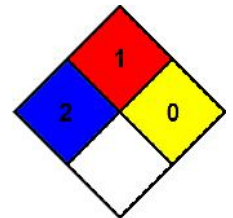
Full text of H-phrases:

Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
H319	Causes serious eye irritation

NFPA health hazard : 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

NFPA fire hazard : 1 - Must be preheated before ignition can occur.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



Prepared by: Technical Department

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