

Stage 2

SECTION 1. IDENTIFICATION

Product Identifier	Stage 2
Other Means of Identification	7780
Other Identification	UN2465
Recommended Use	Solid Laundry Bleach.
Restrictions on Use	No information available.
Manufacturer/Supplier Identifier	Sunburst Chemicals, Inc., 220 W. 86th St., Bloomington, MN, 55420, 952-884-3144
Emergency Phone No.	Emergency Telephone Number, 1-866-303-6943
SDS No.	0003

SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015) and the US Hazard Communication Standard (HCS 2012).

Classification

Oxidizing solid - Category 2; Acute toxicity (Oral) - Category 4; Skin corrosion - Category 1A; Serious eye damage - Category 1

Label Elements



Signal Word:
Danger

Hazard Statement(s):

Harmful if swallowed or if inhaled.
Causes severe skin burns and eye damage.
May intensify fire; oxidizer.

Precautionary Statement(s):

Prevention:
Wear protective gloves/protective clothing/eye protection/face protection.
Wash hands and skin thoroughly after handling.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Do not eat, drink or smoke when using this product.
Avoid breathing dust/fume/gas/mist/vapours/spray.

General Advice

IF exposed or concerned: Get medical attention/advice

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTRE or doctor.

Skin

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

Wash contaminated clothing before reuse.

If skin irritation occurs: Get medical advice/attention.

Call a POISON CENTRE or doctor if you feel unwell.

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTRE or doctor if you feel unwell.

Ingestion

IF SWALLOWED: Immediately call a POISON CENTRE or doctor.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Storage:

Store locked up.

Store in a well-ventilated place. Keep container tightly closed.

Disposal:

Dispose of contents and container in accordance with local, regional, national and international regulations.

Other Hazards

Not applicable.

PRODUCT AT USE DILUTION

Classification Category of Use Dilution:

Acute toxicity (Oral) - Category 4. Skin corrosion - Category 2; Serious eye damage - Category 1.

Signal Word Danger

Hazard Statements

Harmful if swallowed

Causes skin irritation

Causes eye damage

Precautionary Statement(s):

Prevention:

Get medical advice/ attention if you feel unwell

Wear protective gloves / protective clothing / eye protection / face protection

General Response:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or doctor/physician.

IF ON SKIN: Wash with plenty of water. Take off contaminated clothing and wash it before reuse.

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IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor / physician if you feel unwell.
IF SWALLOWED: Rinse mouth, sip a glass of water if able to do so. Do NOT induce vomiting. Call a POISON CENTRE immediately.

Storage:

Store in accordance with local regulations.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Sodium dichloroisocyanurate	2893-78-9	15-40		
Lauric acid	143-07-7	10-30		
Pentasodium Triphosphate	7758-29-4	10-20		
Trisodium phosphate	7601-54-9	5-20		
Sodium lauryl sulfate	151-21-3	5-10		

Notes

PRODUCT AT USE DILUTION

Contains ingredients listed above at weight % less than 0.5%

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Remove source of exposure or move to fresh air. Get medical advice or attention if you feel unwell or are concerned. Call a Poison Centre or doctor if you feel unwell.

Skin Contact

Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes. Thoroughly clean clothing, shoes and leather goods before reuse or dispose of safely. If symptoms persist, call a physician.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Seek immediate medical attention/advice.

Ingestion

Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Immediately call a Poison Centre or doctor.

First-aid Comments

Get medical advice or attention if you feel unwell or are concerned.

PRODUCT AT USE DILUTION

EYE CONTACT:

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek immediate medical attention / advice.

SKIN CONTACT:

Wash off immediately with plenty of water for at least 15 minutes. Use mild soap if available. Get medical attention if irritation develops and persists.

INHALATION:

Get medical attention if symptoms occur.

INGESTION:

Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Seek

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immediate medical attention / advice.

Most Important Symptoms and Effects, Acute and Delayed

None known.

Immediate Medical Attention and Special Treatment

Special Instructions

Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Water. Carbon dioxide (CO₂). Dry chemical.

Unsuitable Extinguishing Media

None known.

Specific Hazards Arising from the Product

Not sensitive to mechanical impact

Oxidizer.

May intensify fire.

Special Protective Equipment and Precautions for Fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Avoid contact with skin, eyes and clothing. Do not breathe spray mist. Ensure adequate ventilation. Use personal protective equipment. If spilled, take caution, as material can cause surfaces to become slippery.

Environmental Precautions

Avoid release to the environment. Collect spillage. See Section 12 for additional Ecological Information. Dispose of contents/container to an approved waste disposal plant.

Methods and Materials for Containment and Cleaning Up

Contain and soak up spill with absorbent that does not react with spilled product.

Collect and reuse if possible. Following product recovery, flush area with water.

Other Information

PRODUCT AT USE DILUTION

Personal precautions, protective equipment and emergency procedures:

Avoid contact with skin, eyes and clothing. Do not breathe spray mist. Ensure adequate ventilation. Use personal protective equipment. Solution can cause surfaces to become slippery

Environmental precautions:

Avoid release to the environment. Rinse or mop up use solutions. Solutions may be flushed down sanitary sewer drains.

Methods and materials for containment and cleaning up:

Stop leak if safe to do so. Contain spillage, and then collect with noncombustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

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SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not breathe vapours or spray mist. Do not eat, drink or smoke when using this product, or its use solutions.

Conditions for Safe Storage

Keep container tightly closed. Keep container closed when not in use. Keep out of the reach of children.

PRODUCT AT USE DILUTION

Precautions for Safe Handling:

Avoid contact with skin and eyes. Wash hands thoroughly after handling.

Conditions for Safe Storage:

Keep out of reach of children. Store in suitable labeled containers.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

A5 = Not suspected as a human carcinogen.

Appropriate Engineering Controls

Provide eyewash in work area, if contact or splash hazard exists. Provide safety shower in work area, if contact or splash hazard exists. Use local exhaust ventilation and enclosure, if necessary, to control amount in the air.

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles and face shield when contact is possible.

Skin Protection

Rubber or vinyl gloves recommended when handling solid chemicals or their use solutions.

Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	White.
Odour	Odourless
Odour Threshold	Not available
pH	Not applicable
Melting Point/Freezing Point	50 °C (122 °F) (melting); Not applicable (freezing)
Initial Boiling Point/Range	Not available
Flash Point	Not available
Evaporation Rate	Not applicable
Flammability (solid, gas)	Flammable solid.
Upper/Lower Flammability or Explosive Limit	Not applicable (upper); Not applicable (lower)
Vapour Pressure	Not applicable
Vapour Density (air = 1)	Not applicable
Relative Density (water = 1)	Not available

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Solubility	Soluble in water; Not available (in other liquids)
Partition Coefficient, n-Octanol/Water (Log Kow)	Not applicable
Auto-ignition Temperature	Not applicable
Decomposition Temperature	Not available
Viscosity	Not applicable (kinematic); Not applicable (dynamic)
Other Information	
Physical State	Solid
Use Dilution	Use dilution pH is 8.0 - 10.0 pH
VOC Content	Not available
Other Physical Property 3	Oxidizer

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Oxidizer.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

High temperatures. Very hot water. Do not use Stage 2 with dispenser water temperatures above 140F. Reduce water temperature to the dispenser if above 140F.

Incompatible Materials

Organic acids (e.g. acetic acid), strong acids (e.g. hydrochloric acid). Hot Water.

Hazardous Decomposition Products

Chlorine gas.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Eye contact; skin contact; inhalation.

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Sodium dichloroisocyanurate	50 mg/L (rat) (1-hour exposure)	735 mg/L (rat)	2000 mg/L (rabbit)
Pentasodium Triphosphate	Not available	4640 mg/kg (rat)	Not available
Trisodium phosphate	Not available	7400 mg/kg (rat)	Not available
Sodium lauryl sulfate	> 3900 mg/m3 (rat) (1-hour exposure)	1288 mg/kg (rat)	580 mg/kg (rabbit)

LC50: No information was located.

LD50 (oral): No information was located.

LD50 (dermal): No information was located.

Skin Corrosion/Irritation

Skin contact with corrosive substances can cause skin burns.

Serious Eye Damage/Irritation

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Causes serious eye damage.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

May cause irritation of respiratory tract.

Ingestion

Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Aspiration Hazard

No information was located.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

No information available.

Respiratory and/or Skin Sensitization

No information available.

Carcinogenicity

Not a carcinogen.

Reproductive Toxicity

Development of Offspring

No information was located.

Sexual Function and Fertility

No information was located.

Effects on or via Lactation

No information was located.

Germ Cell Mutagenicity

Not mutagenic.

Interactive Effects

No information was located.

Other Information

PRODUCT AT USE DILUTION

Inhalation: May cause irritation of respiratory tract.

Eye Contact: Causes serious eye damage

Skin Contact: Causes skin irritation.

Ingestion: Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic, with long lasting effects to aquatic life.

Acute Aquatic Toxicity

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
Sodium dichloroisocyanurate	1 mg/L (Lepomis macrochirus (bluegill); 96-hour)	0.196 mg/L (Daphnia magna (water flea); 48-hour)	Not available	Not applicable
Trisodium phosphate	151 mg/L (96-hour; static)	126 mg/L (Daphnia magna (water flea); 24-hour)	Not available	Not available
Sodium lauryl sulfate	0.59 mg/L (96-hour)	10.4 mg/L (Daphnia	Not available	Not available

	magna (water flea); 24-hour		
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Persistence and Degradability

No information available.

Bioaccumulative Potential

No information available.

Mobility in Soil

Studies are not available.

Other Adverse Effects

There is no information available.

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal Methods**

Dispose of contents and container in accordance with local, regional, national and international regulations.

SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
US DOT	un2465	Dichloroisocyanuric acid, salts	5.1	II

Environmental Hazards Potential Marine Pollutant**Special Precautions** Not applicable**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

Emergency Response Guide No. 140**SECTION 15. REGULATORY INFORMATION****Safety, Health and Environmental Regulations****Canada****Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)**

All ingredients are listed on the DSL/NDSL.

USA**Toxic Substances Control Act (TSCA) Section 8(b)**

All ingredients are listed on the TSCA Inventory.

Additional USA Regulatory Lists

SARA Title III - Section 313:

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does contain chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA Title III - Section 311/312:

Acute Health Hazard Yes

Chronic Health Hazard No

Fire Hazard Yes

Sudden Release of Pressure Hazard No

Reactive Hazard No

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California Proposition 65
This product contains no Proposition 65 chemicals.

U.S. EPA Label Information
EPA Registration Number : Not applicable.

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

CWA - Hazardous Substances : Pentasodium triphosphate

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

Hazardous Substances RQs:

Pentasodium triphosphate 5000 lb final RQ/ RQ 2270 kg final RQ

U.S. State Right-to-Know Regulations

New Jersey Right To Know:. (Sodium dichloroisocyanurate)

Pennsylvania Right To Know:. (Sodium dichloroisocyanurate)

Rhode Island:. (Sodium dichloroisocyanurate)

Massachusetts Right To Know:. (Pentasodium Triphosphate)

Pennsylvania Right To Know:. (Pentasodium Triphosphate)

Trisodium phosphat:

SECTION 16. OTHER INFORMATION

NFPA Rating	Health - 2	Flammability - 0	Instability - 1	
	Special Hazard - Oxidizing		Based on	Sodium dichloroisocyanurate
SDS Prepared By	SunBurst Chemicals			
Phone No.	952-884-3144			
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Additional Information	-----			
	PRODUCT AT USE DILUTION			
	NFPA Rating Health – 2 Flammability - 0 Instability – 0			

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