

# Super-Clean

Preparation Date: 13-Aug-2008

Revision Date: 09-Sep-2024

Revision Number: 3

## SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

#### Product Identifier

Product Name Super-Clean

#### Other means of identification

Item#: 8025

Synonyms None

#### Recommended use of the chemical and restrictions on use

Recommended use Restricted to professional users

Uses advised against All other

#### Details of the supplier of the safety data sheet

Supplier DeLaval Manufacturing  
11100 N. Congress Ave.  
Kansas City, MO 64153 : 816-891-7700, 8am – 5pm M-F

#### Emergency Telephone Number

Chemtrec 1-800-424-9300

### 2. HAZARDS IDENTIFICATION

#### Classification

#### OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin Corrosion/Irritation	Category 1 Sub-category A
Serious eye damage/eye irritation	Category 1

Corrosive to metals	Category 1
---------------------	------------

#### Label Elements

#### Emergency Overview

**DANGER**

#### Hazard Statements

Causes severe skin burns and eye damage

May be corrosive to metals



Appearance White

Physical state Powder

Odor No information available

#### Precautionary Statements - Prevention

Do not breathe dust/fume/gas/mist/vapors/spray

Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

Immediately call a POISON CENTER or doctor/physician

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 CENTER or doctor/physician.

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

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical name	CAS No	Weight-%
Sodium, dichloroisocyanurate dihydrate	51580-86-0	1 - 10
Sodium carbonate	497-19-8	50 - 60
Sodium hydroxide	1310-73-2	20 - 30

If a concentration range is shown, the exact concentration has been withheld as a trade secret.

**4. FIRST AID MEASURES****Description of first-aid measures**

<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention immediately.
<b>Skin contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately.
<b>Inhalation</b>	Move to fresh air. If symptoms persist, call a physician.
<b>Ingestion</b>	Do not induce vomiting. Drink 1 or 2 glasses of water. Call a physician or Poison Control Center immediately. Never give anything by mouth to an unconscious person.

**Most important symptoms and effects, both acute and delayed**

Corrosive. The product causes burns of eyes, skin and mucous membranes.

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media**

No information available.

**Specific hazards arising from the chemical**

The product causes burns of eyes, skin and mucous membranes.

**Sensitivity to static discharge** None.

**Protective Equipment and Precautions for Firefighters**

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

**NFPA**

**Health hazards** 3

**Flammability** 0

**Instability** 0

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin, eyes and clothing. Avoid dust formation. Use personal protective equipment.

**Environmental Precautions**

Prevent further leakage or spillage if safe to do so.

**Methods and material for containment and cleaning up**

Sweep up and shovel into suitable containers for disposal. Keep in suitable, closed containers for disposal.

**7. HANDLING AND STORAGE****Precautions for Safe Handling****Handling**

When diluting, always add the product to water. Never add water to the product. Avoid contact with skin, eyes and clothing.

**Conditions for safe storage, including any incompatibilities****Storage**

Keep containers tightly closed in a dry, cool and well-ventilated place. Do not store near acids. Keep away from metals. Store locked up.

**Incompatible Materials**

Acids, light metals (e.g. aluminum, copper, brass, zinc galvanized)

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters**

Only constituents with exposure limits are listed. Any constituent not listed has no known exposure limit.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium hydroxide 1310-73-2	Ceiling: 2 mg/m <sup>3</sup>	Ceiling: 2 mg/m <sup>3</sup> TWA: 2 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>

**Appropriate engineering controls****Engineering Controls**

Ensure adequate ventilation, especially in confined areas.

**Individual protection measures, such as personal protective equipment****Eye/face Protection**

Goggles.

**Skin and body protection**

Wear protective gloves and protective clothing.

**Respiratory Protection**

In case of inadequate ventilation wear respiratory protection.

**General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

Physical state	Powder	Odor	No information available
Appearance	White	Odor Threshold	No information available
<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>	
pH	No information available		
Melting point/freezing point	No information available		
Boiling Point/Range	No information available		
Flash Point	No information available		
Evaporation rate	No information available		
Flammability (solid, gas)	No information available		
Flammability Limit in Air			
Upper flammability limit	No information available		
Lower flammability limit	No information available		
Vapor Pressure	No information available		
Vapor Density	No information available		
Specific Gravity	No information available		
Water Solubility	soluble		
Partition coefficient: n-octanol/water	No information available		
Autoignition Temperature	No information available		
Decomposition temperature	No information available		
Kinematic viscosity	No information available		
Dynamic viscosity	No information available		
<u>Other information</u>			
Liquid Density	No information available		

## 10. STABILITY AND REACTIVITY

**Reactivity**

May react with other chemicals. Do not mix with other chemicals except as directed on label.

**Chemical Stability**

Stable under normal conditions.

**Possibility of hazardous reactions**

Gives off hydrogen by reaction with some metals (e.g. aluminum). May develop chlorine if mixed with acidic solutions.

**Hazardous Polymerization**

Hazardous polymerisation does not occur.

**Conditions to Avoid**

Extremes of temperature and direct sunlight.

**Incompatible Materials**

Acids, light metals (e.g. aluminum, copper, brass, zinc galvanized)

**Hazardous decomposition products**

Chlorine.

## 11. TOXICOLOGICAL INFORMATION

**Principal Routes of Exposure** Eye contact, Skin contact, Ingestion, Inhalation

### Information on likely routes of exposure

**Eyes** Corrosive to the eyes and may cause severe damage including blindness.  
**Skin** Extremely corrosive and destructive to tissue.  
**Ingestion** Ingestion causes burns of the upper digestive and respiratory tracts.  
**Inhalation** Product dust may be irritating to eyes, skin and respiratory system.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Sensitization** Product is not identified as a sensitizer according to OSHA regulations.  
**Mutagenic effects** Product is not identified as a mutagen according to OSHA regulations.  
**Carcinogenicity** Product is not identified as a carcinogen according to OSHA regulations.

**Reproductive Effects** Product is not identified as having reproductive effects according to OSHA regulations.  
**STOT - single exposure** Product is not identified as having single target organ toxicity (single exposure) according to OSHA regulations.  
**STOT - repeated exposure** Product is not identified as having single target organ toxicity (repeated exposure) according to OSHA regulations.  
**Aspiration Hazard** Product is not identified as an aspiration hazard according to OSHA regulations.

### Numerical measures of toxicity

If available, toxicity values of individual components are shown below.

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium, dichloroisocyanurate dihydrate 51580-86-0	500 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	-
Sodium carbonate 497-19-8	2800 mg/kg (Rat)	2000 mg/kg (Rabbit)	2300 mg/m <sup>3</sup> (Rat)
Sodium hydroxide 1310-73-2	325 mg/kg	1350 mg/kg	No data available

10% of the mixture consists of ingredient(s) of unknown toxicity

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

If available, ecotoxicity values of individual components are shown below.

Chemical name	Algae/aquatic plants	Fish	Microtox	Waterflea
Sodium, dichloroisocyanurate dihydrate 51580-86-0	EC50 (Chlorella pyrenoidosa (aglae)): < 0.5 mg/l Exposure time: 3 h	LC50= 0.25 mg/l (96h)	EC50 : 51 mg/l (3 h) OECD Test Guideline 209	EC50= 0.28 mg/l (48h)
Sodium carbonate 497-19-8	No data available	310 - 1220: 96 h Pimephales promelas mg/L LC50 static 300: 96 h Lepomis macrochirus mg/L LC50 static	No data available	265: 48 h Daphnia magna mg/L EC50
Sodium hydroxide 1310-73-2	No data available	LC 50 (96 h) 45.4 mg/l (Oncorhynchus mykiss)	No data available	EC50 (48h): 40.4 mg/l (Ceriodaphnia dubia)

### Persistence and degradability

No information available.

**Bioaccumulation/Accumulation**

No information available.

**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods****Waste Disposal Method**

Dispose of in accordance with local regulations. Should not be released into the environment.

**Contaminated Packaging**

Empty containers should be taken for local recycling, recovery or waste disposal.

**14. TRANSPORT INFORMATION****DOT**

<b>UN-No</b>	3262
<b>Proper Shipping Name</b>	Corrosive solid, basic, inorganic, n.o.s ( Sodium hydroxide )
<b>Hazard Class</b>	8
<b>Packing Group</b>	II

**15. REGULATORY INFORMATION****State Regulations**

Chemical name	New Jersey	Massachusetts	Pennsylvania
Sodium, dichloroisocyanurate dihydrate 51580-86-0	Not Listed	X	X
Sodium hydroxide 1310-73-2	X	X	X

**U.S. EPA Label information**

**EPA Pesticide registration number** Not applicable

**16. OTHER INFORMATION**

<b>Preparation Date:</b>	13-Aug-2008
<b>Revision Date:</b>	09-Sep-2024
<b>Revision Note:</b>	None
<b>Disclaimer</b>	

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of SDS**