

**PCS****SAFETY DATA SHEET**

Preparation Date: 04-Aug-2008

Revision Date: 29-May-2015

Revision Number: 2

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product Identifier****Product Name** PCS**Other means of identification****Item#:** 1233**Synonyms** None**Recommended use of the chemical and restrictions on use****Recommended use** Powdered sanitizer, Restricted to professional users**Uses advised against** No information available**Details of the supplier of the safety data sheet****Supplier** DeLaval Cleaning Solutions  
11100 N. Congress Ave.  
Kansas City, MO 64153

Tel: 816-891-7700, 8am – 5pm M-F

**Emergency Telephone Number**

Chemtrec 1-800-424-9300

**2. HAZARDS IDENTIFICATION****Classification**

Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Serious eye damage/eye irritation	Category 2
Specific target organ toxicity (single exposure)	Category 3

**Label Elements****Emergency Overview****WARNING****Hazard Statements**

HARMFUL IF INHALED

Causes serious eye irritation

May cause respiratory irritation

**Appearance** White**Physical state** Powder**Odor** Slight chlorine**Precautionary Statements - Prevention**

Avoid breathing dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
Call a POISON CENTER or doctor/physician if you feel unwell

**Precautionary Statements - Storage**

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

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)****Other Information**

- May be harmful if swallowed
- Very toxic to aquatic life with long lasting effects
- Very toxic to aquatic life

Unknown Acute Toxicity 0% of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %	Trade Secret
Sodium dichloroisocyanurate dihydrate	51580-86-0	20 - 30%	*

\* The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

**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 Centre immediately. Never give anything by mouth to an unconscious person.

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

**Most Important Symptoms and Effects** According to our experience and to the information provided to us, the product does not have any harmful effects if it is used and handled as specified.

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

**Notes to Physician** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Water

**Unsuitable Extinguishing Media**

Dry chemical. Carbon dioxide (CO<sub>2</sub>).

**Specific hazards arising from the chemical**

The product causes burns of eyes, skin and mucous membranes. May evolve toxic fumes in fire (toxic chlorine compounds).

**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.

**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. Never return spills in original containers for re-use.

**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 dry and tightly closed to avoid moisture absorption and contamination. Keep in a dry, cool and well-ventilated place. Do not store near combustible materials. Do not store near acids. Keep away from metals.

**Incompatible Materials** acids, bleach, Ammonia, reducing agents, oxidizing agents

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Keep out of the reach of children**

**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** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Physical state</b>	Powder	<b>Odor</b>	Slight chlorine
<b>Appearance</b>	White	<b>Odor Threshold</b>	No information available
<b>Color</b>	No information available		

<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>
pH	10	
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	
Solubility in other solvents	No information available	
Partition coefficient: n-octanol/water	No information available	
Autoignition Temperature	No information available	
Decomposition temperature	No information available	
Viscosity of Product	No information available	
Dynamic viscosity	No information available	
Explosive Properties	No information available	
Oxidizing Properties	No information available	

**Other information**

Softening Point	No information available
Molecular Weight	No information available
VOC Content	No information available
Density	No information available
Bulk Density	No information available

**10. STABILITY AND REACTIVITY****Reactivity**

No data available

**Chemical Stability**

Decomposes on heating.

**Possibility of hazardous reactions**

None known.

**Hazardous Polymerization**

Hazardous polymerisation does not occur.

**Conditions to Avoid**

Extremes of temperature and direct sunlight. Exposure to air or moisture over prolonged periods. Protect from contamination.

**Incompatible Materials**

acids, bleach, Ammonia, reducing agents, oxidizing agents

**Hazardous decomposition products**

Chlorine.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure**

Inhalation	No data available.
Eye contact	No data available.

**Skin contact** No data available.

**Ingestion** No data available.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium dichloroisocyanurate dihydrate 51580-86-0	500 - 1600 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	-

#### Information on toxicological effects

**Symptoms** No information available.

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

**Sensitization** No information available.

**Mutagenic effects** No information available.

**Carcinogenicity** No information available.

**Reproductive Effects** No information available.

**STOT - single exposure** No information available.

**STOT-repeated exposure** No information available.

**Aspiration Hazard** No information available.

#### Numerical measures of toxicity - Product Information

**Unknown Acute Toxicity** 0% of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

## 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

10% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Microtox	Waterflea
Sodium dichloroisocyanurate dihydrate 51580-86-0	-	LC50= 0.25 mg/l	-	EC50= 0.28 mg/l

#### 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 Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

TSCA	TSCA
DSL/NDSL	DSL/NDSL
EINECS/ELINCS	Does not Comply
ENCS	Complies
CHINA	Complies
KECL	Does not Comply
PICCS	Complies
AICS	Complies

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List  
 ENCS - Japan Existing and New Chemical Substances  
 IECSC - China Inventory of Existing Chemical Substances  
 KECL - Korean Existing and Evaluated Chemical Substances  
 PICCS - Philippines Inventory of Chemicals and Chemical Substances  
 AICS - Australian Inventory of Chemical Substances

### State Regulations

#### California Proposition 65

This product does not contain any Proposition 65 chemicals.

#### U.S. EPA Label information

EPA Pesticide registration number Not applicable

## 16. OTHER INFORMATION

NFPA Health 1 Flammability 0 Instability 0 Physical Hazard -

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#### Revision Note

No information available

#### Disclaimer

The information provided on this MSDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

**End of SDS**