

# Della-Plus 12

# SAFETY DATA SHEET

Preparation Date: 20-Dec-2007

Revision Date: 08-Jun-2018

Revision Number: 3

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

### Product Identifier

**Product Name** Della-Plus 12

### Other means of identification

**Item#:** CAN6602

**Synonyms** None

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

**Recommended use** Cleaning agent

**Uses advised against** All other

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

**Supplier** DeLaval Inc.  
10900 Rue Secant Street  
Ville d'Anjou, Quebec H1J 1S5  
Tel: (705) 741-3100

### Emergency Telephone Number

(613) 996-6666 (Canutec)

## 2. HAZARDS IDENTIFICATION

### Classification

|   |            |
|---|------------|
| Acute Toxicity - Oral                     | Category 4 |
| Acute toxicity - Inhalation (Dusts/Mists) | Category 4 |
| Skin corrosion/irritation                 | Category 1 |
| Serious eye damage/eye irritation         | Category 1 |
| Corrosive to metals                       | Category 1 |

### Label Elements

**DANGER**

### Hazard statements

Harmful if swallowed

Harmful if inhaled

Causes severe skin burns and eye damage

May be corrosive to metals



**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
 Do not eat, drink or smoke when using this product  
 Use only outdoors or in a well-ventilated area  
 Do not breathe dust/fume/gas/mist/vapors/spray  
 Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

Immediately call a POISON CENTER or doctor  
 Specific treatment (see First Aid on this label)

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

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 person to fresh air and keep comfortable for breathing Call a POISON CENTER or doctor if you feel unwell  
 Immediately call a POISON CENTER or doctor

IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. 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

**Substance**

| Chemical name                         | CAS No     | Weight % |
|---------------------------------------|------------|----------|
| Sodium metasilicate                   | 6834-92-0  | 10 - 30* |
| Sodium carbonate                      | 497-19-8   | 15 - 40* |
| Sodium hydroxide                      | 1310-73-2  | 10 - 30* |
| Sodium dichloroisocyanurate dihydrate | 51580-86-0 | 3 - 7*   |

\*The exact percentage (concentration) of composition 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. Get medical attention immediately if symptoms occur.   |
| <b>Ingestion</b>    | Do not induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Get medical attention immediately.  |

**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

The product is not flammable. 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

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

### Hazardous Combustion Products

Thermal decomposition can lead to release of irritating gases and vapours.

### 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. For personal protection see section 8.

### 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 Keep out of the reach of children

#### **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 | Alberta | British Columbia | Ontario TWAEV | Quebec |
|---------------|---------|------------------|---------------|--------|
|---------------|---------|------------------|---------------|--------|

|                               |                              |                              |                          |                              |
|-------------------------------|------------------------------|------------------------------|--------------------------|------------------------------|
| Sodium hydroxide<br>1310-73-2 | Ceiling: 2 mg/m <sup>3</sup> | Ceiling: 2 mg/m <sup>3</sup> | CEV: 2 mg/m <sup>3</sup> | Ceiling: 2 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 dust formation use a dust mask. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

**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**

|                       |        |                       |                          |
|-----------------------|--------|-----------------------|--------------------------|
| <b>Physical state</b> | Powder | <b>Odor</b>           | No information available |
| <b>Appearance</b>     | White  | <b>Odor Threshold</b> | No information available |

| <u>Property</u>                        | <u>Values</u>     | <u>Remarks/ • Method</u> |
|--|-------------------|--------------------------|
| pH                                     | 12                | (1%)                     |
| Melting point/freezing point           | No data available | No data available        |
| Boiling Point/Range                    | No data available | No data available        |
| Flash Point                            | No data available | No data available        |
| Evaporation rate                       | No data available | No data available        |
| Flammability (solid, gas)              | No data available | No data available        |
| Flammability Limit in Air              |                   | No data available        |
| Upper flammability limit               | No data available |                          |
| Lower flammability limit               | No data available |                          |
| Vapor Pressure                         | No data available | No data available        |
| Vapor Density                          | No data available | No data available        |
| Specific Gravity                       | No data available | No data available        |
| Water Solubility                       | soluble           | No data available        |
| Partition coefficient: n-octanol/water | No data available | No data available        |
| Autoignition Temperature               | No data available | No data available        |
| Decomposition temperature              | No data available | No data available        |
| Viscosity of Product                   | No data available | No data available        |

**Other information**

**Density** No data 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**

May develop chlorine if mixed with acidic solutions May spatter and release heat if mixed with acids May react with and cause damage to soft metals such as aluminum, copper, brass or zinc (galvanized) to produce flammable, potentially explosive, hydrogen gas

**Conditions to Avoid**

Product may degrade if exposed to long-term high temperature or humid air

**Incompatible Materials**

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

**Hazardous decomposition products**

Chlorine.

## 11. TOXICOLOGICAL INFORMATION

**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.

**Numerical measures of toxicity**

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

**ATEmix (oral)** 1,868.00  
**ATEmix (dermal)** 2,782.00  
**ATEmix (inhalation-dust/mist)** 1.23

| Chemical name                                       | LD50 Oral              | LD50 Dermal           | LC50 Inhalation                      |
|---|------------------------|-----------------------|--------------------------------------|
| Sodium metasilicate<br>6834-92-0                    | = 1153 mg/kg ( Rat )   | -                     | -                                    |
| Sodium carbonate<br>497-19-8                        | = 4090 mg/kg ( Rat )   | -                     | = 2300 mg/m <sup>3</sup> ( Rat ) 2 h |
| Sodium hydroxide<br>1310-73-2                       | 2000 mg/Kg             | 1350 mg/kg            | -                                    |
| Sodium dichloroisocyanurate dihydrate<br>51580-86-0 | 500 - 1600 mg/kg (Rat) | > 5000 mg/kg (Rabbit) | -                                    |

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

**Skin Corrosion/Irritation** Causes burns  
**Serious eye damage/eye irritation** Causes eye burns  
**Sensitization** None known  
**Mutagenic effects** None known  
**Carcinogenicity** Contains no ingredient listed as a carcinogen  
  
**Reproductive Effects** None known  
**STOT - single exposure** None known  
**STOT - repeated exposure** None known  
**Aspiration Hazard** None known

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

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

| Chemical name                                       | Algae/aquatic plants           | Fish   | Microtox | Waterflea                         |
|---|--------------------------------|--|----------|-----------------------------------|
| Sodium metasilicate<br>6834-92-0                    | EC50= 207 mg/l                 | LC50= 210mg/l  | -        | 216: 96 h Daphnia magna mg/L EC50 |
| Sodium carbonate<br>497-19-8                        | 242: 120 h Nitzschia mg/L EC50 | 300: 96 h Lepomis macrochirus mg/L LC50 static 310 - 1220: 96 h Pimephales promelas mg/L LC50 static | -        | 265: 48 h Daphnia magna mg/L EC50 |
| Sodium hydroxide<br>1310-73-2                       | -                              | LC50 (96 h) 72 mg/L  | -        | -                                 |
| Sodium dichloroisocyanurate dihydrate<br>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. Contact your local waste disposal authority for advice, or pass to a chemical disposal company.

**Contaminated Packaging**

Triple rinse containers. Avoid contamination of any water supply with product or empty packaging. Empty containers should be taken for local recycling, recovery or waste disposal.

### 14. TRANSPORT INFORMATION

**DOT**

|                             |   |
|-----------------------------|---|
| <b>UN-No</b>                | 1759  |
| <b>Proper Shipping Name</b> | Corrosive solid, n.o.s ( Sodium hydroxide ) |
| <b>Hazard Class</b>         | 8   |
| <b>Packing Group</b>        | II  |

### 15. REGULATORY INFORMATION

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**International Regulations**

**Ozone-depleting substances (ODS)** Not applicable

**Persistent Organic Pollutants** Not applicable

The Rotterdam Convention            Not applicable

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

Preparation Date:                    20-Dec-2007

Revision Date:                        08-Jun-2018

Revision Note:                        No information available.

**Disclaimer**

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End of Safety Data Sheet