Della-Plus 12

SAFETY DATA SHEET

Preparation Date: 20-Dec-2007 **Revision Date:** 12-Jan-2026 **Revision Number:** 5

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

West Penetone Inc: (514) 355-4660 8h-17h Monday to Friday
Poison Control Center (Emergency, 24 H): 1-844-POISON-X or 1-844-764-7669

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 carbonate	497-19-8	15 - 40*
Sodium hydroxide	1310-73-2	10 - 30*
Disodium metasilicate	6834-92-0	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

Eye contact 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.

Skin contact Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately.

Inhalation Move to fresh air. Get medical attention immediately if symptoms occur.

Ingestion 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 1310-73-2	Ceiling: 2 mg/m^3	Ceiling: 2 mg/m^3	CEV: 2 mg/m^3	Ceiling: 2 mg/m^3

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

Physical state Powder
Appearance White
Odor No information available
Odor Threshold No information available

Property	Values	Remarks/ • Method
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
Kinematic viscosity	No data available	No data available

Other information

Liquid 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 carbonate 497-19-8	2800 mg/kg (Rat)	2000 mg/kg (Rabbit)	2300 mg/m³ (Rat)
Sodium hydroxide 1310-73-2	325 mg/kg	1350 mg/kg	-
Disodium metasilicate 6834-92-0	1153 mg/kg (Rat)	> 5000 mg/kg (Rat)	2.06 g/m³ (Rat)
Sodium, dichloroisocyanurate dihydrate 51580-86-0	500 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 carbonate 497-19-8	-	310 - 1220: 96 h Pimephales promelas mg/L LC50 static 300: 96 h Lepomis macrochirus mg/L LC50 static	-	265: 48 h Daphnia magna mg/L EC50
Sodium hydroxide 1310-73-2	-	LC 50 (96 h) 45.4 mg/l (Oncorhynchus mykiss)	-	EC50 (48h): 40.4 mg/l (Ceriodaphnia dubia)
Disodium metasilicate 6834-92-0	EC50= 207 mg/l	LC50= 210mg/l	-	-
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)

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

UN-No 3262
Proper Shipping Name Corrosive solid, basic, inorganic, n.o.s (Sodium hydroxide, Disodium Trioxosilicate)
Hazard Class 8

Packing Group	II

15. REGULATORY INFORMATION

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

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer	Not applicable
The Stockholm Convention on 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:	12-Jan-2026
Revision Note:	No information available.

Disclaimer

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End of Safety Data Sheet