

# Della-Suds

# SAFETY DATA SHEET

Preparation Date: 22-Jul-2010

Revision Date: 08-Jun-2018

Revision Number: 6

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

### Product Identifier

**Product Name** Della-Suds

### Other means of identification

**Item#:** CAN6108

**Synonyms** None

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

**Recommended use** Laundry Detergent

**Uses advised against** For Investigational Use/Performance Evaluation Only

### 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 2
Serious eye damage/eye irritation	Category 1
Skin sensitization	Category 1
Specific target organ toxicity (single exposure)	Category 3
Aspiration toxicity	Category 2

### Label Elements

**DANGER**

### Hazard statements

Harmful if swallowed  
Causes severe skin burns and eye damage  
May cause an allergic skin reaction  
May cause respiratory irritation  
Causes skin irritation  
Harmful if inhaled  
May be harmful if swallowed and enters airways  
Toxic to aquatic life  
Harmful to aquatic life with long lasting effects

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
 Do not eat, drink or smoke when using this product  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Contaminated work clothing should not be allowed out of the workplace  
 Use only outdoors or in a well-ventilated area  
 Avoid breathing dust  
 Avoid release to the environment

**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: Wash with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

**Precautionary Statements - Storage**

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

**Precautionary Statements - Disposal**

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

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance**

Chemical name	CAS No	Weight %
Sodium carbonate	497-19-8	45 - 70*
D-Limonene	5989-27-5	3 - 7*
Sodium dodecylbenzenesulfonate	25155-30-0	3 - 7*
Sodium tripolyphosphate anhydrous	7758-29-4	3 - 7*
Sodium metasilicate	6834-92-0	45 - 70*
Alcohols, C9-11, ethoxylated	68439-46-3	3 - 7*
poly(oxy-1,2-ethanediyl),alpha-undecyl-omega-hydroxy-	34398-01-1	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>	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
<b>Inhalation</b>	Move to fresh air. If symptoms persist, call a physician.
<b>Ingestion</b>	Rinse mouth. Do not induce vomiting. Call a physician or Poison Control Center immediately.
<b>Protection of First-aiders</b>	Use personal protective equipment

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

Respiratory irritation. Breathing difficulties. Ingestion causes burns of the upper digestive and respiratory tracts.

Irritating to skin. May cause sensitization by skin contact. Irritating to eyes.

**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: Water, Water spray, Carbon dioxide (CO<sub>2</sub>), Dry powder, Foam.

**Unsuitable Extinguishing Media**

No information available

**Specific hazards arising from the chemical**

Heating or fire can release toxic gas.

**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** 1

**Flammability** 0

**Instability** 0

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid contact with the skin and the eyes. Avoid dust formation. Material can create slippery conditions.

**Environmental Precautions**

Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained. Do not flush into surface water or sanitary sewer system.

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

Sweep up and shovel into suitable containers for disposal. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers. After cleaning, flush away traces with water. Clean contaminated surface thoroughly.

## 7. HANDLING AND STORAGE

### Precautions for Safe Handling

**Handling** Ensure adequate ventilation. Wear personal protective equipment. Remove and wash contaminated clothing before re-use. Avoid contact with skin and eyes.

### Conditions for safe storage, including any incompatibilities

**Storage** Keep container tightly closed. Keep container tightly closed in a dry and well-ventilated place. Keep in a banded area. Keep containers tightly closed in a cool, well-ventilated place. Keep away from possible contact with incompatible substances.

**Incompatible Materials** Acids, strong oxidizing agents, 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.

### Appropriate engineering controls

**Engineering Controls** Ensure adequate ventilation, especially in confined areas. None under normal use.

### Individual protection measures, such as personal protective equipment

**Eye/face Protection** Safety glasses with side-shields, Goggles.

**Skin and body protection** Wear protective gloves and protective clothing

**Respiratory Protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**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>	Orange peel
<b>Appearance</b>	White	<b>Odor Threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks/ • Method</u>
<b>pH</b>	10.5	No data available
<b>Melting point/freezing point</b>	No data available	No data available
<b>Boiling Point/Range</b>	No data available	No data available
<b>Flash Point</b>	No data available	No data available
<b>Evaporation rate</b>	No data available	No data available
<b>Flammability (solid, gas)</b>	No data available	No data available
<b>Flammability Limit in Air</b>	No data available	No data available
<b>Upper flammability limit</b>	No data available	
<b>Lower flammability limit</b>	No data available	
<b>Vapor Pressure</b>	No data available	No data available
<b>Vapor Density</b>	No data available	No data available
<b>Specific Gravity</b>	1	No data available
<b>Water Solubility</b>	completely soluble	No data available

<b>Partition coefficient: n-octanol/water</b>	No data available	No data available
<b>Autoignition Temperature</b>	No data available	No data available
<b>Decomposition temperature</b>	No data available	No data available
<b>Viscosity of Product</b>	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 recommended storage conditions

**Possibility of hazardous reactions**

Stable under recommended storage conditions

**Conditions to Avoid**

Extremes of temperature and direct sunlight

**Incompatible Materials**

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

**Hazardous decomposition products**

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

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

<b>Eyes</b>	Causes serious eye damage.
<b>Skin</b>	Repeated or prolonged skin contact may cause allergic reactions with susceptible persons
<b>Ingestion</b>	May be harmful if swallowed.
<b>Inhalation</b>	May cause irritation of respiratory tract.

**Numerical measures of toxicity**

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

**ATEmix (oral)** 1,892.00

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium carbonate 497-19-8	= 4090 mg/kg ( Rat )	-	= 2300 mg/m <sup>3</sup> ( Rat ) 2 h
D-Limonene 5989-27-5	= 4400 mg/kg ( Rat ) = 5200 mg/kg ( Rat )	> 5 g/kg ( Rabbit )	-
Sodium dodecylbenzenesulfonate 25155-30-0	= 438 mg/kg ( Rat ) = 500 mg/kg ( Rat )	-	-
Sodium tripolyphosphate anhydrous 7758-29-4	= 3120 mg/kg ( Rat )	> 7940 mg/kg ( Rabbit )	-
Sodium metasilicate 6834-92-0	= 1153 mg/kg ( Rat )	-	-
Alcohols, C9-11, ethoxylated 68439-46-3	= 1400 mg/kg ( Rat ) = 1378 mg/kg ( Rat )	> 2 g/kg ( Rabbit )	-

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

**Sensitization** None known

**Mutagenic effects** None known

**Carcinogenicity**

Chemical name	ACGIH	IARC	NTP	OSHA
D-Limonene 5989-27-5	-	Group 3	-	-

**IARC (International Agency for Research on Cancer)**  
Group 3 - Not Classifiable as to Carcinogenicity in Humans

**Reproductive Effects** None known

**STOT - single exposure** May cause respiratory irritation.

**STOT - repeated exposure** None known

**Chronic Toxicity** Avoid repeated exposure

**Aspiration Hazard** May be fatal if swallowed and enters airways.

## 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	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
D-Limonene 5989-27-5	-	LC50 = 33mg/kg (96h)	-	-
Sodium dodecylbenzenesulfonate 25155-30-0	-	10.8: 96 h Oncorhynchus mykiss mg/L LC50 static	-	-
Sodium tripolyphosphate anhydrous 7758-29-4	-	1650: 48 h Leuciscus idus mg/L LC50	-	-
Sodium metasilicate 6834-92-0	EC50= 207 mg/l	LC50= 210mg/l	-	216: 96 h Daphnia magna mg/L EC50

**Persistence and degradability**

Expected to be biodegradable.

**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.

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

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**14. TRANSPORT INFORMATION**

**TDG** Not regulated

**DOT** Not regulated

**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:** 22-Jul-2010

**Revision Date:** 08-Jun-2018

**Revision Note:** No information available.

**Disclaimer**

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End of Safety Data Sheet