

# Safety Data Sheet



Revision Date 26-May-2015  
Version 1

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Product name Double Strength Inplant

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Professional Rug Cleaning

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

Supplier Legend Brands  
Chemspec  
15180 Josh Wilson Road  
Burlington, WA 98233  
800-932-3030

For further information, please contact: [msds@chemspecworld.com](mailto:msds@chemspecworld.com)

### 1.4 Emergency telephone number

Emergency telephone number Chemtrec: +1 703-527-3887 ex-USA  
Chemtrec: 1-800-424-9300 USA

Europe 112  
Austria +43 1 406 43 43  
Belgium Poison center (BE): +32 70 245 245  
Denmark Poison Control Hotline (DK): +45 82 12 12 12  
Finland Poison Information Centre (FI): +358 9 471 977  
France ORFILA (FR): + 01 45 42 59 59  
Germany Poison Center Berlin (DE): +49 030 30686 790  
Poison Center Nord: +49 551 19240 (24h available English / German)  
Ireland National Poisons Information Centre (IE): +353 1 8379964  
Iceland +354 543 2222  
Italy Poison Center, Milan (IT): +39 02 6610 1029  
Luxembourg 112  
Netherlands National Poisons Information Center (NL): +31 30 274 88 88 (NB: this service is only available to health professionals)  
Norway Poisons Information (NO): + 47 22 591300  
Portugal Poison Information Center (PT): +351 21 330 3284  
Spain Poison Information Service (ES): +34 91 562 04 20  
Sweden Poisons Information Center (SV): +46 8 33 12 31  
Switzerland Poison Center: Tel 145; +41 44 251 51 51  
United Kingdom 111

## 2. Hazards identification

### 2.1 Classification of the substance or mixture

REGULATION (EC) No 1272/2008

|                                   |                     |
|-----------------------------------|---------------------|
| Acute toxicity - Oral             | Category 4 - (H302) |
| Serious eye damage/eye irritation | Category 2 - (H319) |

**Classification according to EU Directives 67/548/EEC or 1999/45/EC**  
For the full text of the R-phrases mentioned in this Section, see Section 16

**Symbol(s)**

Xi - Irritant

**R-phrases(s)**

Xi;R36/38

**2.2 Label elements****Signal Word**

Warning

**Hazard Statements**

H302 - Harmful if swallowed

H319 - Causes serious eye irritation

Contains Tetrasodium Pyrophosphate

**2.3 Other Hazards**

No information available

### 3. Composition/Information on Ingredients

**3.1**

This product is a mixture. Health hazard information is based on its components.

**3.2**

| Chemical Name                                | EC-No     | CAS-No     | Weight % | Classification (67/548/EEC) | Classification (1272/2008/EC) | REACH Registration Number |
|--|-----------|------------|----------|-----------------------------|-------------------------------|---------------------------|
| Sodium carbonate                             | 207-838-8 | 497-19-8   | 10 - 25  | Xi; R36                     | Eye Irrit. 2 (H319)           | no data available         |
| Tetrasodium Pyrophosphate                    | 231-767-1 | 7722-88-5  | 1 - 2.5  |                             | no data available             | no data available         |
| POLY(OXY-1,2-ETHANEDIYL), A-HYDRO-O-HYDROXY- | -         | 25322-68-3 | < 1      | Xi; R36                     | Eye Irrit. 2 (H319)           | no data available         |
| Phosphoric acid                              | 231-633-2 | 7664-38-2  | < 0.1    | C; R34                      | Skin Corr. 1B (H314)          | no data available         |

**For the full text of the R-phrases mentioned in this Section, see Section 16**

**For the full text of the H-Statements mentioned in this Section, see Section 16**

### 4. First Aid Measures

**4.1 Description of first-aid measures**

---

|                       |  |
|-----------------------|--|
| <b>General advice</b> | Show this material safety data sheet to the doctor in attendance.                              |
| <b>Inhalation</b>     | Move to fresh air.   |
| <b>Skin contact</b>   | Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes. |
| <b>Eye contact</b>    | Remove contact lenses.   |
| <b>Ingestion</b>      | Gently wipe or rinse the inside of the mouth with water.                                       |

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

**Symptoms** Eye irritation. Irritating to respiratory system and skin.

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

**Notes to physician** Treat symptomatically.

### **5. Fire-Fighting Measures**

#### **5.1 Extinguishing media**

**Suitable extinguishing media**

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

**Extinguishing media which shall not be used for safety reasons**

No information available.

#### **5.2 Special hazards arising from the substance or mixture**

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

#### **5.3 Advice for firefighters**

In the event of fire, wear self-contained breathing apparatus.

### **6. Accidental Release Measures**

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

**Personal precautions**

Use personal protective equipment.

**Advice for emergency responders**

For personal protection see section 8.

#### **6.2 Environmental precautions**

Dike to collect large liquid spills. See Section 12 for additional Ecological information.

#### **6.3 Methods and materials for containment and cleaning up**

**Methods for Containment**

Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up**

Pick up and transfer to properly labeled containers.

#### **6.4 Reference to other sections**

See section 8 for more information.

## 7. Handling and storage

### 7.1 Precautions for safe handling

**Advice on safe handling**                      Wear personal protective equipment.

**Hygiene measures**                              When using, do not eat, drink or smoke.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Storage Conditions

Use only in area provided with appropriate exhaust ventilation. Keep tightly closed in a dry and cool place.

### 7.3 Specific end uses

#### Specific use(s)

No information available

#### Exposure scenario

No information available.

## 8. Exposure controls/personal protection

### 8.1 Control parameters

#### Exposure Limit Values

| Chemical Name  | European Union   | Austria   | Belgium  | Denmark  | Finland   | France   |
|--|--|---|--|--|---|--|
| Tetrasodium Pyrophosphate<br>7722-88-5                       |  | STEL 10 mg/m <sup>3</sup><br>TWA: 5 mg/m <sup>3</sup>                                 | TWA: 5 mg/m <sup>3</sup>                               | TWA: 5 mg/m <sup>3</sup>   |   | TWA: 5 mg/m <sup>3</sup>   |
| POLY(OXY-1,2-ETHA NEDIYL), A-HYDRO-O-HYDRO XY-<br>25322-68-3 |  | STEL 4000 mg/m <sup>3</sup><br>TWA: 1000 mg/m <sup>3</sup>                            |  |  |   |  |
| Phosphoric acid<br>7664-38-2                                 | TWA 1 mg/m <sup>3</sup><br>STEL 2 mg/m <sup>3</sup>    | STEL 2 mg/m <sup>3</sup><br>TWA: 1 mg/m <sup>3</sup>                                  | TWA: 1 mg/m <sup>3</sup><br>STEL: 2 mg/m <sup>3</sup>  | TWA: 1 mg/m <sup>3</sup>   | TWA: 1 mg/m <sup>3</sup><br>STEL: 2 mg/m <sup>3</sup> | TWA: 0.2 ppm<br>TWA: 1 mg/m <sup>3</sup><br>STEL: 0.5 ppm<br>STEL: 2 mg/m <sup>3</sup> |
| Chemical Name  | Germany  | Iceland   | Ireland  | Italy  | Luxembourg  | The Netherlands  |
| Tetrasodium Pyrophosphate<br>7722-88-5                       |  | TWA: 5 mg/m <sup>3</sup><br>Ceiling: 10 mg/m <sup>3</sup>                             | TWA: 5 mg/m <sup>3</sup><br>STEL: 15 mg/m <sup>3</sup> |  |   |  |
| POLY(OXY-1,2-ETHA NEDIYL), A-HYDRO-O-HYDRO XY-<br>25322-68-3 | TWA: 1000 mg/m <sup>3</sup>                            |   |  |  |   |  |
| Phosphoric acid<br>7664-38-2                                 | TWA: 2 mg/m <sup>3</sup>                               | TWA: 1 mg/m <sup>3</sup><br>Ceiling: 2 mg/m <sup>3</sup><br>STEL: 2 mg/m <sup>3</sup> | TWA: 1 mg/m <sup>3</sup><br>STEL: 2 mg/m <sup>3</sup>  | TWA: 1 mg/m <sup>3</sup><br>STEL: 3 mg/m <sup>3</sup><br>STEL: 2 mg/m <sup>3</sup> | STEL: 2 mg/m <sup>3</sup><br>TWA: 1 mg/m <sup>3</sup> | STEL: 2 mg/m <sup>3</sup><br>TWA: 1 mg/m <sup>3</sup>                                  |
| Chemical Name  | Norway   | Portugal  | Spain  | Sweden   | Switzerland   | The United Kingdom   |
| Tetrasodium Pyrophosphate<br>7722-88-5                       | TWA: 5 mg/m <sup>3</sup><br>STEL: 10 mg/m <sup>3</sup> |   | TWA: 5 mg/m <sup>3</sup>                               |  | TWA: 5 mg/m <sup>3</sup>                              | STEL: 15 mg/m <sup>3</sup><br>TWA: 5 mg/m <sup>3</sup>                                 |
| POLY(OXY-1,2-ETHA NEDIYL), A-HYDRO-O-HYDRO XY-<br>25322-68-3 |  |   |  |  | TWA: 1000 mg/m <sup>3</sup>                           |  |
| Phosphoric acid<br>7664-38-2                                 | TWA: 1 mg/m <sup>3</sup><br>STEL: 3 mg/m <sup>3</sup>  | STEL: 2 mg/m <sup>3</sup><br>TWA: 1 mg/m <sup>3</sup>                                 | STEL: 2 mg/m <sup>3</sup><br>TWA: 1 mg/m <sup>3</sup>  | LLV: 1 mg/m <sup>3</sup><br>STV: 3 mg/m <sup>3</sup>                               | STEL: 2 mg/m <sup>3</sup><br>TWA: 1 mg/m <sup>3</sup> | STEL: 2 mg/m <sup>3</sup><br>TWA: 1 mg/m <sup>3</sup>                                  |

TWA: Time weighted average  
STEL: Short term exposure limit

|                                       |                          |
|---------------------------------------|--------------------------|
| LLV:                                  | Level Limit Value        |
| STV:                                  | Short Term Value         |
| <b>Derived No Effect Level (DNEL)</b> | No information available |

**Predicted No Effect Concentration (PNEC)** No information available

## 8.2 Exposure controls

**Engineering Measures** Ensure adequate ventilation, especially in confined areas.

### **Personal protective equipment**

|                                 |  |
|---------------------------------|--|
| <b>Eye/Face Protection</b>      | Safety glasses with side-shields.                                  |
| <b>Hand Protection</b>          | Rubber/latex/neoprene or other suitable chemical resistant gloves. |
| <b>Skin and body protection</b> | Long sleeved clothing.   |
| <b>Respiratory protection</b>   | Breathing apparatus with filter.                                   |

**Hygiene measures** When using, do not eat, drink or smoke.

**Environmental Exposure Controls** No information available.

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

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

| <u>Property</u>                     | <u>Values</u>      | <u>Remarks • Methods</u> |
|-------------------------------------|--------------------|--------------------------|
| <b>pH</b>                           | 10.5-11.2          | (as aqueous solution)    |
| <b>Melting/freezing point</b>       |                    | No information available |
| <b>Boiling point/boiling range</b>  |                    | No information available |
| <b>Flash Point</b>                  | Not Applicable     |                          |
| <b>Evaporation rate</b>             |                    | No information available |
| <b>Flammability (solid, gas)</b>    |                    | No information available |
| <b>Flammability Limits in Air</b>   |                    |                          |
| upper flammability limit            |                    | No information available |
| lower flammability limit            |                    | No information available |
| <b>Vapor pressure</b>               |                    | No information available |
| <b>Vapor density</b>                |                    | No information available |
| <b>Specific Gravity</b>             |                    | No information available |
| <b>Water solubility</b>             | completely soluble |                          |
| <b>Solubility in other solvents</b> |                    | No information available |
| <b>Partition coefficient</b>        |                    | No information available |
| <b>Autoignition temperature</b>     |                    | No information available |
| <b>Decomposition temperature</b>    |                    | No information available |
| <b>Viscosity, kinematic</b>         |                    | No information available |
| <b>Viscosity, dynamic</b>           |                    | No information available |
| <b>Explosive properties</b>         |                    | No information available |
| <b>Oxidizing Properties</b>         |                    | No information available |

### 9.2 Other information

**Volatile organic compounds (VOC) content** Trace amounts

## 10. Stability and Reactivity

### 10.1 Reactivity

No information available.

### 10.2 Chemical stability

Stable under normal conditions

### 10.3 Possibility of hazardous reactions

No information available.

### 10.4 Conditions to Avoid

Avoid dust accumulation in enclosed space.

### 10.5 Incompatible Materials

No materials to be especially mentioned

### 10.6 Hazardous Decomposition Products

Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), dense black smoke.

## 11. Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

#### Product Information

The product itself has not been tested.

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | There are no data available for this product. |
| <b>Eye contact</b>  | There are no data available for this product. |
| <b>Skin contact</b> | There are no data available for this product. |
| <b>Ingestion</b>    | There are no data available for this product. |

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

|                        |                |
|------------------------|----------------|
| <b>ATEmix (oral)</b>   | 1,711.00 mg/kg |
| <b>ATEmix (dermal)</b> | 7,978.50 mg/kg |

#### Unknown Acute Toxicity

100.000005% of the mixture consists of ingredient(s) of unknown toxicity  
 1.072625 % of the mixture consists of ingredient(s) of unknown acute oral toxicity  
 28.421145 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity  
 100.000005 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)  
 100.000005 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)  
 100.000005 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

| Chemical Name             | LD50 Oral                 | LD50 Dermal | LC50 Inhalation                      |
|---------------------------|---------------------------|-------------|--------------------------------------|
| Sodium carbonate          | 4090 mg/kg ( Rat )        |             | = 2300 mg/m <sup>3</sup> ( Rat ) 2 h |
| Tetrasodium Pyrophosphate | 1000 - 3000 mg/kg ( Rat ) |             |                                      |

**Skin corrosion/irritation** No information available.

**Eye damage/irritation** No information available.

|  |                                 |
|--|---------------------------------|
| <b>Respiratory or skin sensitization</b>                           | No information available.       |
| <b>Germ Cell Mutagenicity</b>                                      | No information available.       |
| <b>Carcinogenicity</b>   | No information available.       |
| <b>Reproductive toxicity</b>                                       | No information available.       |
| <b>Specific target organ systemic toxicity (single exposure)</b>   | No information available.       |
| <b>Specific target organ systemic toxicity (repeated exposure)</b> | No information available.       |
| <b>Target Organs</b>   | Eyes. Respiratory system. Skin. |
| <b>Aspiration hazard</b>   | No information available.       |

## 12. Ecological information

### 12.1 Toxicity

90% of the mixture consists of components(s) of unknown hazards to the aquatic environment

#### **Ecotoxicity effects**

No data is available on the product itself

| Chemical Name    | Toxicity to algae | Toxicity to fish  | Toxicity to daphnia and other aquatic invertebrates |
|------------------|-------------------|---|---|
| Sodium carbonate |                   | LC50: 96 h <i>Lepomis macrochirus</i><br>300 mg/L static LC50: 96 h<br><i>Pimephales promelas</i> 310 - 1220<br>mg/L static | EC50: 48 h <i>Daphnia magna</i> 265<br>mg/L         |

### 12.2 Persistence and degradability

No data are available on the product itself.

### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

#### **Mobility in soil**

No information available.

#### **Mobility**

No data is available on the product itself.

### 12.5 Results of PBT and vPvB assessment

No information available.

### 12.6 Other adverse effects.

No information available.

## 13. Disposal Considerations

### 13.1 Waste treatment methods

|  |  |
|--|--|
| <b>Waste from residues / unused products</b> | If recycling is not practicable, dispose of in compliance with local regulations.                        |
| <b>Contaminated packaging</b>                | Empty containers should be taken to an approved waste handling site for recycling or disposal.           |
| <b>Other information</b>                     | According to the European Waste Catalog, Waste Codes are not product specific, but application specific. |

## 14. Transport Information

### ADR

|                                  |                |
|----------------------------------|----------------|
| <b>14.1 UN Number</b>            | Not regulated  |
| <b>14.2 Proper shipping name</b> | Not regulated  |
| <b>14.3 Hazard class</b>         | Not regulated  |
| <b>14.4 Packing Group</b>        | Not regulated  |
| <b>14.5 Environmental hazard</b> | Not applicable |
| <b>14.6 Special Provisions</b>   | None           |

### IMDG

|  |                          |
|--|--------------------------|
| <b>14.1 UN Number</b>  | Not regulated            |
| <b>14.2 Proper shipping name</b>   | Not regulated            |
| <b>14.3 Hazard class</b>   | Not regulated            |
| <b>14.4 Packing Group</b>  | Not regulated            |
| <b>14.5 Marine pollutant</b>   | Not applicable           |
| <b>14.6 Special Provisions</b>   | None                     |
| <b>14.7 Transport in bulk according to MARPOL 73/78 and the IBC Code</b> | No information available |

### IATA

|                                  |                |
|----------------------------------|----------------|
| <b>14.1 UN Number</b>            | Not regulated  |
| <b>14.2 Proper shipping name</b> | Not regulated  |
| <b>14.3 Hazard class</b>         | Not regulated  |
| <b>14.4 Packing Group</b>        | Not regulated  |
| <b>14.5 Environmental hazard</b> | Not applicable |
| <b>14.6 Special Provisions</b>   | None           |

## 15. Regulatory information

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

#### National regulatory information

Germany

#### European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

#### **Authorizations and/or restrictions on use:**

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)



---

**Persistent Organic Pollutants**

Not applicable

**International Inventories**

|                      |          |
|----------------------|----------|
| <b>TSCA</b>          | Complies |
| <b>EINECS/ELINCS</b> | Complies |
| <b>DSL</b>           | Complies |
| <b>PICCS</b>         | Complies |
| <b>ENCS</b>          | Complies |
| <b>IECSC</b>         | Complies |
| <b>AICS</b>          | Complies |
| <b>KECL</b>          | Complies |
| <b>NZIoC</b>         | Complies |

**Legend**

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**NZIoC** - New Zealand Inventory of Chemicals

**15.2 Chemical Safety Assessment**

No information available

**16. Other information**

**Key or legend to abbreviations and acronyms used in the safety data sheet**

**Full text of R-phrases referred to under sections 2 and 3**

R22 - Harmful if swallowed

R36 - Irritating to eyes

R34 - Causes burns

R36/38 - Irritating to eyes and skin

**Full text of H-Statements referred to under section 3**

H319 - Causes serious eye irritation

H314 - Causes severe skin burns and eye damage

**Revision Date** 26-May-2015

**Revision Note** Not Applicable.

This safety data sheet complies with the requirements of Regulation (EC) No. 1272/2008/EC.

**Disclaimer**

**The information provided on this SDS 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 Safety Data Sheet**