



MATERIAL SAFETY DATA SHEET

SUPER CLEAN for Washing Machines

Current review date: 20/01/2020

Current review: 01

Previous review date: 18/10/2018

Previous review: 00

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Commercial name : SUPER CLEAN for Washing Machines
Code : 9029799310

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

Consumers use : Washing machine degreaser in powder
Uses advised against: All those not expressly identified on label

1.3 Details of the supplier of the safety data sheet

Supplier of substance/mixture

GBCHEM S.r.l.

Via Santa Eufemia, 8 - 25040 CORTE FRANCA (BS) - ITALIA
Tel. +39 3464232984

e-mail address competent person: gbchemsrl@yahoo.it

Distributed by:

Electrolux Appliance AB - S.t Göransgatan 143, SE-112 17 Stockholm (Sweden)
Tel. +46 8-738 60 00

1.4 Emergency telephone number

Tel: +39 3464232984 (from 08,30 to 12,30 - from 14,00 to 18,00)

See section 16 of MSDS for European Antipoison Centre

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

2.1.1 Classification in accordance with Regulation (EC) No 1272/2008:

The product is dangerous in accordance with Regulation (EC) No 1272/2008 so it's mandatory to draw up a material safety data sheet in accordance with Regulation (EU) 2015/830.

| | | | |
|---------------------------------|---|--|-------|
| Hazard pictogram(s) | : | GHS05 | GHS07 |
| Hazard class and category codes | : | Skin Corr. 1B, Eye Dam. 1, STOT SE3 | |
| Hazard statement codes | : | H314 - Causes severe skin burns and eye damage H318 - Causes serious eye damage H335 - May cause respiratory irritation. | |

2.1.2 Other effects

Corrosive product: contact with skin cause severe burns and contact with the eyes causes serious eye damage, such as opacity of the cornea or lesions to the iris. Inhalation may cause respiratory irritation.

2.2 Label elements

2.2.1 Label in accordance with Regulation (EC) No 1272/2008

| | | | |
|---------------------|---|---|---|
| Hazard pictogram(s) | : | GHS05 | GHS07 |
| | |  |  |

| | | |
|---------------------------------|---|--|
| Signal word | : | DANGER |
| Hazard statement(s) | : | H314 - Causes severe skin burns and eye damage H335 - May cause respiratory irritation. |
| Suppl. Hazard statement Code(s) | : | Not applicable |

Precautionary statement(s) :

General

P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.

Prevention

P261 - Avoid breathing dust
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Response

P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 - Immediately call a POISON CENTER/doctor

Storage

P405 - Store locked up.

Disposal

P501 - Dispose of contents/container in accordance with local/national regulation.

Contains : Sodium metasilicate; Undecanol, ethoxylated, propoxylated; Alcohols, C12-15, ethoxylated.

Ingredients (Reg. 648/2004) : <5% phosphonates, zeolite; >5<15% non-ionic surfactants, oxygen bleach.

2.3 Other hazards

Packaging must have child lock and be fitted with a tactile warning. According to available data the mixture does NOT contain PBT / vPvB substances more than 0.1 in according to Regulation (EC) 1907/2006, Annex XIII

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable



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3.2 Mixtures

See section 16 for full text of Hazard statement(s).

| Substance | x = Conc. % | Classification | CAS | EINECS | REACH |
|--|-------------|---|-------------|-----------|------------------|
| Sodium carbonate Index number: 011-005-00-2 | ≥ 20 x < 30 | Eye Irrit. 2, H319 | 497-19-8 | 207-838-8 | 01-2119485498-19 |
| Sodium metasilicate pentahydrate Index number: Not available | ≥ 20 x < 30 | Skin Corr. 1B, H314; STOT SE 3, H335 | 10213-79-3 | 229-912-9 | -- |
| Disodium carbonate, compound with hydrogen peroxide (2:3) Index number: Not available | ≥ 10 x < 20 | Ox. Sol. 3, H272; Acute Tox. 4, H302; Eye Dam. 1, H318 | 15630-89-4 | 239-707-6 | 01-2119457268-30 |
| Alcohols, C12-15, branched and linear, ethoxylated Index number: Not available | ≥ 3 x < 5 | Acute Tox. 4, H302; Eye Dam. 1, H318 | 106232-83-1 | 932-186-2 | -- |
| Undecanol, branched and linear, ethoxylated, propoxylated (≥=2,5 moles EO/PO) Index number: Not available | ≥ 3 x < 5 | Eye Dam. 1, H318 | -- | 940-634-3 | -- |
| Tetrasodium (1-hydroxyethylidene) bisphosphonate Index number: Not available | ≥ 1 x < 3 | Met. Corr. 1, H290; Acute Tox. 4, H302; Eye Irrit. 2, H319 | 3794-83-0 | 223-267-7 | 01-2119647955-23 |

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation

Immediately remove the patient from the contaminated area and keep it at rest in a well-ventilated area. Seek medical advice.

Skin (pure product)

Remove contaminated clothing and wash it before to re-use. Wash the areas of the body that have come into contact with the product immediately with plenty of water and soap, even if only suspicious. Do not use neutralizing substances and do not apply ointments before 24 hours or without medical advice. Seek medical advice.

Eyes (pure product)

Irrigate immediately and abundantly for about 15 minutes with running water keeping the eyelids open; then protect the eyes with dry sterile gauze and use specialized medical care. Do not use eye drops or ointments of any kind before the visit or advice from an eye doctor.

Ingestion

Seek medical advice immediately. Do not induce vomiting and do not give anything unless expressly indicated by the doctor. Keep the patient at rest in a well-ventilated area.

4.2 Most important symptoms and effects, both acute and delayed

The product seriously harms mucous membranes, upper respiratory tract, eyes and skin. The symptoms are: cough, shortness of breath, headache, nausea, vomit.

4.3 Indication of any immediate medical attention and special treatment needed

See section 4.1 – Description of first aid measures.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : CO₂, alcohol-resistant foam and chemical powders

Unsuitable extinguishing media : None in particular

5.2 Special hazards arising from the substance or mixture

The product, during combustion, develops vapours potentially harmful to health.

5.3 Advice for firefighters

Use protective clothing for the respiratory tract, eyes and skin. Water spray can be used to disperse flammable vapours and protect people engaged in extinction. It is also advisable to use self-contained breathing apparatus, above all, when working in closed and poorly ventilated areas. Use specifically protective equipment of fire team.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Move away from the area surrounding the spill or release. Not smoking.

For emergency responders: General information: Use best P.P.E. See section 8.

6.2 Environmental precautions

Contain leaks with soil or sand to prevent it from flowing into surface waterways and / or sewers. If the product has flowed in large quantities in a watercourse or has contaminated the soil or vegetation, notify to the competent authorities.

6.3 Methods and material for containment and cleaning up

Collect the product for possible use or for elimination. After collection, wash the affected area and materials with plenty of water and collect the wash water.

6.4 Reference to other sections

See sections 8 and 13 for further information

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Normal precautions for handling chemicals, protecting themselves from accidental contact. Do not smoke, eat or drink while handling.

7.2 Conditions for safe storage, including any incompatibilities

Store in original packaging, in a cool, ventilated place away from heat sources and direct exposure to sunlight. Keep containers closed when not in use.

7.3 Specific end use(s)

Consumer uses: Follow the instructions on the label / box / information sheets.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Control parameters relatives to substances contained if available

| | | | | |
|--|---------------------------|-------------------|--------------------------|-------------------|
| Substance: | Sodium carbonate | | | |
| CAS: | 497-19-8 | | | |
| GESTIS International Limit Values | Limit value - Eight hours | | Limit value - Short term | |
| | ppm | mg/m ³ | ppm | mg/m ³ |



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| | | | | |
|----------------------------|------------------------------|---|----|-------|
| People's Republic of China | -- | 3 | -- | 6 (1) |
| Romania | -- | 1 | -- | 3 (1) |
| Remarks | | | | |
| People's Republic of China | (1) 15 minutes average value | | | |
| Romania | (1) 15 minutes average value | | | |

Link ECHA <https://echa.europa.eu/it/registration-dossier/-/registered-dossier/15432>

| | DNEL (Workers) | | | | DNEL (Population) | | | | |
|---------------------------------|----------------|---------------|---------------|---------------|---------------------------------|---------------|---------------|---------------|---------------|
| | Systemic | | Local | | Systemic | | Local | | |
| | Long term | Short term | Long term | Short term | Long term | Short term | Long term | Short term | |
| Inhalation (mg/m ³) | Not available | Not available | 10 | Not available | Inhalation (mg/m ³) | Not available | Not available | Not available | 10 |
| Dermal (mg/kg bw/day) | Not available | Not available | Not available | Not available | Dermal (mg/kg bw/day) | Not available | Not available | Not available | Not available |
| Oral (mg/kg bw/day) | Not available | Not available | Not available | Not available | Oral (mg/kg bw/day) | Not available | Not available | Not available | Not available |
| Eyes (mg/kg bw/day) | Not available | Not available | Not available | Not available | Eyes (mg/kg bw/day) | Not available | Not available | Not available | Not available |

| PNEC | | | | | | | | | |
|-------------------|---------------|--|--|--|---------------|--|--|--|---------------|
| Freshwater (mg/l) | Not available | Intermittent (mg/l) | | | Not available | Marine water (mg/l) | | | Not available |
| STP (mg/l) | Not available | Sediment (freshwater) (mg/kg/sediment) | | | Not available | Sediment (marine water) (mg/kg/sediment) | | | Not available |
| Air | Not available | Soil (mg/kg soil) | | | Not available | Hazard for predators g/kg food | | | Not available |

Substance: Sodium metasilicate pentahydrate
CAS: 10213-79-3

| GESTIS International Limit Values | | | | | | | | | |
|-----------------------------------|--|-------------------|--|--|--------------------------|--|-------------------|--|--|
| Limit value - Eight hours | | | | | Limit value - Short term | | | | |
| ppm | | mg/m ³ | | | ppm | | mg/m ³ | | |
| Not available | | Not available | | | Not available | | Not available | | |
| Remarks | | | | | | | | | |
| Not available | | | | | | | | | |

Link ECHA --

| | DNEL (Workers) | | | | DNEL (Population) | | | | |
|---------------------------------|----------------|---------------|---------------|---------------|---------------------------------|---------------|---------------|---------------|---------------|
| | Systemic | | Local | | Systemic | | Local | | |
| | Long term | Short term | Long term | Short term | Long term | Short term | Long term | Short term | |
| Inhalation (mg/m ³) | Not available | Not available | 10 | Not available | Inhalation (mg/m ³) | Not available | Not available | Not available | 10 |
| Dermal (mg/kg bw/day) | Not available | Not available | Not available | Not available | Dermal (mg/kg bw/day) | Not available | Not available | Not available | Not available |
| Oral (mg/kg bw/day) | Not available | Not available | Not available | Not available | Oral (mg/kg bw/day) | Not available | Not available | Not available | Not available |
| Eyes (mg/kg bw/day) | Not available | Not available | Not available | Not available | Eyes (mg/kg bw/day) | Not available | Not available | Not available | Not available |

| PNEC | | | | | | | | | |
|-------------------|---------------|--|--|--|---------------|--|--|--|---------------|
| Freshwater (mg/l) | Not available | Intermittent (mg/l) | | | Not available | Marine water (mg/l) | | | Not available |
| STP (mg/l) | Not available | Sediment (freshwater) (mg/kg/sediment) | | | Not available | Sediment (marine water) (mg/kg/sediment) | | | Not available |
| Air | Not available | Soil (mg/kg soil) | | | Not available | Hazard for predators g/kg food | | | Not available |

Substance: Disodium carbonate, compound with hydrogen peroxide (2:3)
CAS: 15630-89-4

| GESTIS International Limit Values | | | | | | | | | |
|-----------------------------------|--|-------------------|--|--|--------------------------|--|-------------------|--|--|
| Limit value - Eight hours | | | | | Limit value - Short term | | | | |
| ppm | | mg/m ³ | | | ppm | | mg/m ³ | | |
| Not available | | Not available | | | Not available | | Not available | | |
| Remarks | | | | | | | | | |
| Not available | | | | | | | | | |

Link ECHA <https://echa.europa.eu/it/registration-dossier/-/registered-dossier/15960>

| | DNEL (Workers) | | | | DNEL (Population) | | | | |
|---------------------------------|----------------------|----------------------|------------------------------------|------------------------|---------------------------------|---------------|---------------|------------------------------------|------------------------|
| | Systemic | | Local | | Systemic | | Local | | |
| | Long term | Short term | Long term | Short term | Long term | Short term | Long term | Short term | |
| Inhalation (mg/m ³) | No hazard identified | No hazard identified | 5 | Exposure based waiving | Inhalation (mg/m ³) | Not available | Not available | Exposure based waiving | Exposure based waiving |
| Dermal (mg/kg bw/day) | No hazard identified | No hazard identified | 12,8 | 12,8 | Dermal (mg/kg bw/day) | Not available | Not available | 6,4 | 6,4 |
| Oral (mg/kg bw/day) | Not available | Not available | Not available | Not available | Oral (mg/kg bw/day) | Not available | Not available | Not available | Not available |
| Eyes (mg/kg bw/day) | Not available | Not available | High hazard (no threshold derived) | Not available | Eyes (mg/kg bw/day) | Not available | Not available | High hazard (no threshold derived) | Not available |

| PNEC | | | | | | | | | |
|-------------------|----------------------|--|--|--|----------------------------------|--|--|--|----------------------------------|
| Freshwater (mg/l) | 0,035 | Intermittent (mg/l) | | | 0,035 | Marine water (mg/l) | | | 0,035 |
| STP (mg/l) | 16,24 | Sediment (freshwater) (mg/kg/sediment) | | | No exposure of sediment expected | Sediment (marine water) (mg/kg/sediment) | | | No exposure of sediment expected |
| Air | No hazard identified | Soil (mg/kg soil) | | | No exposure of soil expected | Hazard for predators g/kg food | | | No potential for bioaccumulation |

Substance: Alcohols, C12-15, branched and linear, ethoxylated
CAS: 106233-83-1

| GESTIS International Limit Values | | | | | | | | | |
|-----------------------------------|--|-------------------|--|--|--------------------------|--|-------------------|--|--|
| Limit value - Eight hours | | | | | Limit value - Short term | | | | |
| ppm | | mg/m ³ | | | ppm | | mg/m ³ | | |
| Not available | | Not available | | | Not available | | Not available | | |
| Remarks | | | | | | | | | |
| Not available | | | | | | | | | |

Link ECHA --

| | DNEL (Workers) | | | | DNEL (Population) | | | | |
|---------------------------------|----------------|---------------|---------------|---------------|---------------------------------|---------------|---------------|---------------|---------------|
| | Systemic | | Local | | Systemic | | Local | | |
| | Long term | Short term | Long term | Short term | Long term | Short term | Long term | Short term | |
| Inhalation (mg/m ³) | Not available | Not available | Not available | Not available | Inhalation (mg/m ³) | Not available | Not available | Not available | Not available |
| Dermal (mg/kg bw/day) | Not available | Not available | Not available | Not available | Dermal (mg/kg bw/day) | Not available | Not available | Not available | Not available |
| Oral (mg/kg bw/day) | Not available | Not available | Not available | Not available | Oral (mg/kg bw/day) | Not available | Not available | Not available | Not available |
| Eyes (mg/kg bw/day) | Not available | Not available | Not available | Not available | Eyes (mg/kg bw/day) | Not available | Not available | Not available | Not available |



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| PNEC | | Intermittent (mg/l) | | Marine water (mg/l) | |
|-------------------|---------------|--|---------------|--|---------------|
| Freshwater (mg/l) | Not available | Sediment (freshwater) (mg/kg/sediment) | Not available | Sediment (marine water) (mg/kg/sediment) | Not available |
| STP (mg/l) | Not available | Soil (mg/kg soil) | Not available | Hazard for predators g/kg food | Not available |
| Air | Not available | | | | |

Substance: Undecanol, branched and linear, ethoxylated, propoxylated (>=2,5 moles EO/PO)
CAS: -- EINECS: 940-634-3

| GESTIS International Limit Values | | | |
|-----------------------------------|-------------------|--------------------------|-------------------|
| Limit value - Eight hours | | Limit value - Short term | |
| ppm | mg/m ³ | ppm | mg/m ³ |
| Not available | Not available | Not available | Not available |
| Remarks | | | |
| Not available | | | |

Link ECHA --

| | DNEL (Workers) | | | | DNEL (Population) | | | | |
|---------------------------------|----------------|---------------|---------------|---------------|---------------------------------|---------------|---------------|---------------|---------------|
| | Systemic | | Local | | Systemic | | Local | | |
| | Long term | Short term | Long term | Short term | Long term | Short term | Long term | Short term | |
| Inhalation (mg/m ³) | Not available | Not available | Not available | Not available | Inhalation (mg/m ³) | Not available | Not available | Not available | Not available |
| Dermal (mg/kg bw/day) | Not available | Not available | Not available | Not available | Dermal (mg/kg bw/day) | Not available | Not available | Not available | Not available |
| Oral (mg/kg bw/day) | Not available | Not available | Not available | Not available | Oral (mg/kg bw/day) | Not available | Not available | Not available | Not available |
| Eyes (mg/kg bw/day) | Not available | Not available | Not available | Not available | Eyes (mg/kg bw/day) | Not available | Not available | Not available | Not available |

| PNEC | | Intermittent (mg/l) | | Marine water (mg/l) | |
|-------------------|---------------|--|---------------|--|---------------|
| Freshwater (mg/l) | Not available | Sediment (freshwater) (mg/kg/sediment) | Not available | Sediment (marine water) (mg/kg/sediment) | Not available |
| STP (mg/l) | Not available | Soil (mg/kg soil) | Not available | Hazard for predators g/kg food | Not available |
| Air | Not available | | | | |

Substance: Tetrasodium (1-hydroxyethylidene) bisphosphonate
CAS: 3794-83-0

| GESTIS International Limit Values | | | |
|-----------------------------------|-------------------|--------------------------|-------------------|
| Limit value - Eight hours | | Limit value - Short term | |
| ppm | mg/m ³ | ppm | mg/m ³ |
| Not available | Not available | Not available | Not available |
| Remarks | | | |
| Not available | | | |

Link ECHA <https://echa.europa.eu/it/registration-dossier/-/registered-dossier/16087>

| | DNEL (Workers) | | | | DNEL (Population) | | | | |
|---------------------------------|----------------|----------------------|-----------------------------------|----------------------|---------------------------------|---------------|----------------------|-----------------------------------|----------------------|
| | Systemic | | Local | | Systemic | | Local | | |
| | Long term | Short term | Long term | Short term | Long term | Short term | Long term | Short term | |
| Inhalation (mg/m ³) | 16,9 | No hazard identified | 10 | No hazard identified | Inhalation (mg/m ³) | 4,2 | No hazard identified | 10 | No hazard identified |
| Dermal (mg/kg bw/day) | 48 | No hazard identified | No hazard identified | No hazard identified | Dermal (mg/kg bw/day) | 24 | No hazard identified | No hazard identified | No hazard identified |
| Oral (mg/kg bw/day) | Not available | Not available | Not available | Not available | Oral (mg/kg bw/day) | 2,4 | No hazard identified | Not available | Not available |
| Eyes (mg/kg bw/day) | Not available | Not available | Low hazard (no threshold derived) | Not available | Eyes (mg/kg bw/day) | Not available | Not available | Low hazard (no threshold derived) | Not available |

| PNEC | | Intermittent (mg/l) | | Marine water (mg/l) | |
|-------------------|----------------------|--|-----|--|------|
| Freshwater (mg/l) | 0,096 | Sediment (freshwater) (mg/kg/sediment) | 193 | Sediment (marine water) (mg/kg/sediment) | 19,3 |
| STP (mg/l) | 58 | Soil (mg/kg soil) | 14 | Hazard for predators g/kg food | 5,3 |
| Air | No hazard identified | | | | |

8.2 Exposure controls

If as a result of the risk assessment and the adoption of technical preventive and / or organizational measures of collective protection it results that there is still a residual risk for the worker, it is necessary to equip the worker with the Personal Protective Equipment.

8.2.1 Appropriate engineering controls

Data not available

8.2.2 Individual protection measures, such as personal protective equipment

A. EYE/FACE PROTECTION

| PICTOGRAM | PPE | NOTES |
|--|--|--|
|  GLASS | PPE for eyes are a second category and must be marked with CE and number of Notify body that certified them. EN166 Personal eye-protection - Specifications | Not necessary in normal use. In the event that you proceed to handle the pure product in large quantities, use safety glasses with side protection. |

B. HAND PROTECTION

| PICTOGRAM | PPE | NOTES |
|---|---|--|
|  GLOVES | Gloves that protect against corrosive chemical substances, third category and provided with CE marking and the number of the Notified Body that issued the certification. EN374 Protective gloves against dangerous chemicals and micro-organisms. | We recommend category II long wrist waterproof gloves, the material can be latex or, for allergic, nitrile. The thickness of the gloves and the possible presence of an inner lining depend on many variables including the comfort of the operator. |

C. BODY PROTECTION

| PICTOGRAM | PPE | NOTES |
|--|---|--------------|
|  WORKING CLOTHES | EN 13688 Protective clothing - General requirements | Work clothes |



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D. RESPIRATORY PROTECTION

| PICTOGRAM | PPE | NOTES |
|--|---|---|
|  FILTER MASK | The choice of PPE must be in accordance with EN 529:2006 (Respiratory protective devices - Recommendations for selection, use, care and maintenance - Guidance document). e.g. it's possible to use mask in accordance with EN149 - Respiratory protective devices - Filtering half masks to protect against particles - Requirements, testing, marking). | Not necessary in normal use. In the event that powders develop during use, use special masks with CE marking. |

E. THERMAL HAZARDS

Avoid exposure to open flames.

F. ENVIRONMENTAL EXPOSURE CONTROLS

Avoid release into the environment

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

The following physical and chemical properties aren't technical specifications. Specific references are in technical documentation.

| Physical and chemical properties | Value | Notes or analytical method |
|--|---|----------------------------|
| Appearance | Crystalline white solid | Visual |
| Odour | Characteristic | Olfactory |
| Odour threshold | Not determined | -- |
| pH | Pure product: Not applicable Solution 1%: 10.0 ± 0,5 | pHmetro |
| Melting point/freezing point | Not determined | -- |
| Initial boiling point and boiling range | Not determined | -- |
| Flash point | Not applicable | -- |
| Evaporation rate | Not determined | -- |
| Flammability (solid, gas) | Not determined | -- |
| Upper/lower flammability or explosive limits | Not determined | -- |
| Vapour pressure | Not determined | -- |
| Relative density | Not determined | -- |
| Solubility(ies) | Total in water | Theoretical |
| Partition coefficient: n-octanol/water | Not determined | -- |
| Auto-ignition temperature | Not determined | -- |
| Decomposition temperature | Not determined | -- |
| Viscosity | Not applicable | -- |
| Explosive properties | Not determined | -- |
| Oxidising properties | Not determined | -- |

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under normal conditions of use and storage.

10.2 Chemical stability

Stable under normal conditions of use and storage.

10.3 Possibility of hazardous reactions

No one in normal use.

10.4 Conditions to avoid

| Shock | Air | Heating | Light | Humidity |
|-------------------|-------------------|-------------------------------|-------------------|-----------|
| Nothing to report | Nothing to report | Avoid exposure to open flames | Nothing to report | Keep away |

10.5 Incompatible materials

| Acids | Bases | Water | Oxidising/Reducing | Other |
|---------------|-------------------|-------------------|--------------------|------------------------|
| Avoid contact | Nothing to report | Nothing to report | Avoid contact | Not mix with chemicals |

10.6 Hazardous decomposition products

Under normal conditions the preparation does not decompose.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

| Hazard classes | Classification |
|---|--|
| (a) Acute toxicity : | Based on available data, the classification criteria are not met |
| (b) Skin corrosion/irritation : | Corrosive product: cause severe skin burns. |
| (c) Serious eye damage/irritation : | Corrosive product: causes serious eye damage. |
| (d) Respiratory or skin sensitisation : | Based on available data, the classification criteria are not met |
| (e) Germ cell mutagenicity : | Based on available data, the classification criteria are not met |
| (f) Carcinogenicity : | Based on available data, the classification criteria are not met |
| (g) Reproductive toxicity : | Based on available data, the classification criteria are not met |
| (h) STOT-single exposure : | Inhalation may cause respiratory irritation. |
| (i) STOT-repeated exposure : | Based on available data, the classification criteria are not met |
| (j) Aspiration hazard : | Based on available data, the classification criteria are not met |

Relatives substances contained

| | |
|--------------------------------|---|
| Substance: | Sodium carbonate |
| CAS | 497-19-8 |
| Routes of exposure | Inhalation, oral |
| Inhalation risk | A harmful concentration of airborne particles can be reached quickly if powdered. |
| Effects of short-term exposure | Substance is irritating for the eyes, skin and respiratory tract. |



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Effects of repeated or long term exposure Substance may cause damage at respiratory tract (perforation of nasal septum). Repeated or long term exposure with skin can cause dermatitis.

ACUTE RISK/SYMPOTOMS

| | |
|-------------------|---|
| Inhalation | Cough, sore throat. |
| Skin | Redness. |
| Eyes | Redness, pain, severe burns. |
| Ingestion | Abdominal pain, burning sensation in throat and chest. |
| Notes | LD50 Oral (rat) (mg/kgbw) = 4090 LD50 skin (rat or rabbit) (mg/kgbw) = 117 CL50 Inhalation (rat) di vapour/dust/aerosol/fumes (mg/1/4h) or gas (ppmV/4h) = 5200 |

Substance: **Sodium metasilicate pentahydrate**

CAS **10213-79-3**

Routes of exposure

Inhalation, oral

Inhalation risk

Evaporation at 20°C is negligible; A harmful concentration of airborne particles can be reached quickly if powdered.

Effects of short-term exposure

Substance is corrosive for the eyes, skin and respiratory tract. Corrosive for ingestion.

Effects of repeated or long term exposure

No data available

ACUTE RISK/SYMPOTOMS

| | |
|-------------------|---|
| Inhalation | Sore throat, burning sensation, cough and shortness of breath |
| Skin | Redness, pain, severe burns |
| Eyes | Redness, pain, severe burns. |
| Ingestion | Burning sensation, Abdominal pain, shock or collapse. |
| Notes | No data available |

SECTION 12: Ecological information

12.1 Toxicity

Use according to good working practices, avoiding to disperse the product in the environment.

12.2 Persistence and degradability

Regulation (EC) No 648/2004

Surfactant(s) contained in this product is(are) compliant(s) with the biodegradability criteria established by the Regulation (EC) No 648/2004 on detergents. All supporting data are kept at the disposal of the competent authorities of the Member States and will be provided, at their explicit request or at the request of a manufacturer of the formulated, to the aforementioned authorities.

12.3 Bioaccumulative potential

Data not available

12.4 Mobility in soil

Data not available

12.5 Results of PBT and vPvB assessment

Based on the available data, the product does not contain PBT or vPvB substances in a percentage higher than 0.1%

12.6 Other adverse effects

Data not available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Do not reuse empty containers. Dispose of them in compliance with current regulations. Any product residues can be burned in a suitable incinerator, equipped with post-combustion and abatement.

SECTION 14: Transport information

| | | ADR | IMDG | IATA |
|-------------------------|--|--|----------------|----------------|
| 14.1 | UN number | | 3253 | |
| 14.2 | UN proper shipping name | Disodium trioxosilicate in a mixtures | | |
| 14.3 | Transport hazard class(es) | 8 | | |
| | Label | | | |
| 14.4 | Packing group | III | | |
| | Limited quantities | | | |
| | Inner packaging | 5 Kg | | 1 Kg/5Kg |
| | External packaging (Note 1) | 20 or 30 Kg ⁽¹⁾ | | 20 or 30 kg |
| | Packaging instruction | P002 | P002 | Y845/860/864 |
| | Tunnel restriction code | E | Not applicable | Not applicable |
| | EmS | N.A. | F-D, S-U | Not applicable |
| Stowage and segregation | N.A. | Category D / SW2 | Not applicable | |
| 14.5 | Environmental hazards | NO | | |
| | Marine pollutant | NO | | |
| 14.6 | Special precautions for user | As with all goods classified as dangerous for transport, all movements must be carried out in compliance with the specific rules for each type of transport under the control, if provided for by the regulations, of a specialist for the safety of transport of dangerous goods. | | |
| 14.7 | Transport in bulk according to Annex II of Marpol and the IBC Code | Does not allow carried in bulk | | |

Note 1
Box 30 kg – shrink-wrapped or stretch-wrapped trays 20 kg



MATERIAL SAFETY DATA SHEET

SUPER CLEAN for Washing Machines

Current review date: 20/01/2020

Current review: 01

Previous review date: 18/10/2018

Previous review: 00

SECTION 15: Regulatory information

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

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 COMMISSION REGULATION (EC) No 790/2009, of 10 August 2009 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures.

REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents

15.2 Chemical safety assessment

A chemical safety assessment hasn't been developed for the product, although this MSDS contains one or more exposure scenario(s) in an integrated form. The content, where relevant, has been included in sections 1.2, 8, 9, 12, 15 and 16 of the same safety data sheets.

SECTION 16: Other information

16.1 Other information

Description of Hazard class and category codes in section 3

| | |
|----------------------|---|
| Eye Irrit. 2 | Eye irritation, hazard category 2 |
| Skin Corr. 1B | Skin corrosion, hazard category 1B |
| STOT SE 3 | Specific target organ toxicity — single exposure, hazard category 3 |
| Ox. Sol. 3 | Oxidising solid, hazard category 3 |
| Acute Tox. 4 | Acute toxicity, hazard category 4 |
| Eye Dam. 1 | Serious eye damage, hazard category 1 |
| Met. Corr. 1 | Substance or mixture corrosive to metals, hazard category 1 |

Description of Hazard statement(s) in section 3

| | |
|---------------|---|
| H319 = | Causes serious eye irritation |
| H314 = | Causes severe skin burns and eye damage |
| H335 = | May cause respiratory irritation |
| H272 = | May intensify fire; oxidizer. |
| H302 = | Harmful if swallowed |
| H318 = | Causes serious eye damage |
| H290 = | May be corrosive to metals |

Classification made based on the data of all the components of the mixture

ANTIPOISON CENTRE

| EUROPA | | | |
|--------------------------|---|--------------------------|---|
| Antipoison centre | AUSTRIA - Vergiftungsinformationszentrale | Antipoison centre | BELGIUM - Centre Antipoisons-Antigifcentrum |
| Emergency phone | +43 1 406 43 43 | Emergency phone | +32 70 245 245 |
| Antipoison centre | CROATIA - Poison Control Centre Zagreb | Antipoison centre | FRANCE - ORFILA_Liste des centres anti poison |
| Emergency phone | +358 1 2348 342 | Emergency phone | +33 1 40 05 48 48 |
| Antipoison centre | FRANCE - Centre antipoison et de toxicovigilance de Paris | Antipoison centre | GERMANY - Deutschland Notrufnummer |
| Emergency phone | +33 (0)1 40 05 48 48 | Emergency phone | +49 030 30 68 67 00 |
| Antipoison centre | NETHERLANDS - National Poisons Information Centre | Antipoison centre | SWEDEN - Swedish Poisons Information Centre |
| Emergency phone | +31 30 274 88 88 | Emergency phone | 112 |

SOURCES

| | | | | | |
|--------|--|-------|---|---------|---|
| ECHA | European Chemicals Agency | OSHA | European Agency for Safety and Health at Work | IARC | International Agency for Research on Cancer |
| IPCS | International Programme on Chemical Safety (Cards) | NIOSH | Registry of toxic effects of chemical substances (1983) | ACGIH | American Conference of Governmental Industrial Hygienists |
| TOXNET | Toxicology Data Network | WHO | World Health Organization | CheLIST | Chemical Lists Information System |
| IFA | Institute für Arbeitsschutz. | | | | |

The sections modified respect to the previous revision are highlighted by the vertical section on the left.

Safety Data Sheet according to Regulation (EU) No. 2015/830 of 29 May 2015 and subsequent amendments

The information in this SDS was obtained from the best that is available or to our knowledge on the market at the specified review date. Neither the Company registered holder of this card nor the subsidiaries will accept any complaints arising from improper use of the information set forth herein or from improper use of the product in the application. Pay particular attention to the use of preparations because improper use can increase the hazard.

This safety data sheet has been translated with an automatic system. We thank all the people who want to report any anomalies in the translation.