

SECTION 1: Identification

1.1. Product identifier

Product name : CUTLERY PRE-SOAK
Product code : 1100620

1.2. Recommended use and restrictions on use

Recommended use : Silver & cutlery pre-soak & wash
Restrictions on use : Food Plant, Industrial and Institutional use only

1.3. Supplier

Project Clean Inc.
12 James St N, Suite 202
Hamilton, Ontario L8R 2J9
T 1 800 663 9925
regulatory@projectclean.com - www.projectclean.ca

1.4. Emergency telephone number

| Country | Organisation/Company | Address | Emergency number | Comment |
|---------|-------------------------------------|------------------|--|--|
| Canada | CHEMTREC Chemical Emergency | www.chemtrec.com | 1 800 424 9300 | 24hr/day 7days/week within USA and Canada |
| Canada | CANUTEC Transportation Emergency | www.canutec.com | 1 888 226 8832 *666 on a cell phone | 24hr/day 7days/week within USA and Canada |

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

Skin corrosion/irritation, Category 1 H314 Causes severe skin burns and eye damage.
Serious eye damage/eye irritation, Category 1 H318 Causes serious eye damage.
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation H335 May cause respiratory irritation.
Full text of H-statements: see section 16

2.2. GHS Label elements, including precautionary statements

GHS CA labelling

Hazard pictograms (GHS CA) :



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according to the Hazardous Products Regulation (February 11, 2015)

Signal word (GHS CA) : Danger

Hazard statements (GHS CA) : H314 - Causes severe skin burns and eye damage.

H318 - Causes serious eye damage.

H335 - May cause respiratory irritation.

Precautionary statements (GHS CA) : P260 - Do not breathe dust, fume, mist, or spray.

P261 - Avoid breathing dust, fume, mist, or spray.

P264 - Wash hands and affected areas thoroughly after handling.

P271 - Use only outdoors or in a well-ventilated area.

P280 - Wear protective gloves, protective clothing, and eye protection.

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 .

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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 or doctor.

P312 - Call a POISON CENTER or doctor if you feel unwell.

P321 - Specific treatment (see supplemental first aid instruction on the product SDS).

P363 - Wash contaminated clothing before reuse.

P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

P405 - Store locked up.

P501 - Dispose of contents and or container to hazardous or special waste collection point, in accordance with local, regional, national and or international regulation.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS CA)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

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3.2. Mixtures

| Name | Chemical name / Synonyms | Product identifier | % w/w |
|--|--|---------------------|-----------|
| Sodium carbonate | Sodium carbonate, anhydrous | CAS-No.: 497-19-8 | 60 – 80 |
| Sodium phosphate tribasic dodecahydrate | Trosodium phosphate dodecahydrate | CAS-No.: 10101-89-0 | 7 – 13 |
| Pentasodium triphosphate | Sodium tripolyphosphate | CAS-No.: 7758-29-4 | 5 – 10 |
| Ethoxylated propoxylated alcohols (C=6-10) | Ethoxylated propoxylated alcohols (C=6-10) | CAS-No.: 68987-81-5 | 0.5 – 1.5 |

**The exact concentrations have been withheld as a trade secret. Les concentrations exactes ont été retenues en tant que secret commercial.*

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.
- First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice or attention.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
- First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.
- First-aid measures general : Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/effects after inhalation : May cause respiratory irritation.
- Symptoms/effects after skin contact : Irritation.
- Symptoms/effects after eye contact : Serious damage to eyes.
- Chronic symptoms : No effects known.
- Expected Symptoms/Effects, Acute and Delayed : May cause skin irritation, dermatitis, or skin burns. Respiratory or skin sensitisation. May cause dermatitis, eye irritation, corneal oedema and chemical burns.

4.3. Immediate medical attention and special treatment, if necessary

- Other medical advice or treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

- Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

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5.2. Unsuitable extinguishing media

No additional information available

5.3. Specific hazards arising from the hazardous product

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.4. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

General measures : Avoid contact with skin and eyes.

6.1.1. For non-emergency personnel

Protective equipment : Chemical goggles or face shield with safety glasses. Gloves (EN 374). Wear recommended personal protective equipment.

Emergency procedures : Ventilate spillage area. Avoid breathing dust, fume, mist, or spray. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls or personal protection".

Emergency procedures : Evacuate unnecessary personnel. Ventilate area. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Use only outdoors or in a well-ventilated area. Avoid breathing dust, fume, mist, or spray. Avoid contact with skin and eyes. Wear personal protective equipment.

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

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Incompatible products : Strong acids. Strong oxidizing agents. Strong reducing agents.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

| |
|--|
| Materials for protective clothing: |
| Nitrile rubber/PVC |
| Hand protection: |
| Protective gloves |
| Eye protection: |
| Safety glasses |
| Skin and body protection: |
| Not required for normal conditions of use |
| Respiratory protection: |
| In case of insufficient ventilation, wear suitable respiratory equipment |

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-----------------|--------------------------|
| Physical state | : Solid |
| Appearance | : Blue. Granular powder. |
| Colour | : Blue |
| Odour | : No added fragrance |
| Odour threshold | : No data available |

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| | |
|---|-------------------------------------|
| pH | : 11 – 12 |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Relative evaporation rate (ether=1) | : No data available |
| Melting point | : No data available |
| Freezing point | : No data available |
| Initial boiling point and boiling range | : No data available |
| Flash point | : No data available |
| Auto-ignition temperature | : Not self-igniting |
| Decomposition temperature | : No data available |
| Upper and lower flammability or explosive limit | : No data available, Not applicable |
| Vapour pressure | : No data available |
| Relative vapour density at 20°C | : No data available |
| Relative density | : 1.1 – 1.15 |
| Solubility | : Dispersible in water. |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : Not applicable |
| Explosive properties | : Not explosive. |
| Explosive limits | : No data available |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

| | |
|------------------------------------|--|
| Reactivity | : The product is non-reactive under normal conditions of use, storage and transport. |
| Chemical stability | : Stable under normal conditions. |
| Possibility of hazardous reactions | : No dangerous reactions known under normal conditions of use. |
| Conditions to avoid | : None under recommended storage and handling conditions (see section 7). |
| Incompatible materials | : Strong acids. Strong oxidizing agents. Strong reducing agents. |
| Hazardous decomposition products | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| Hardening time: | : No additional information available |

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|-----------------------------|-------------------|
| Acute toxicity (oral) | : Not classified. |
| Acute toxicity (dermal) | : Not classified. |
| Acute toxicity (inhalation) | : Not classified |

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| CUTLERY PRE-SOAK | |
|---|--|
| LD50 oral rat | > 2000 mg/kg |
| LD50 dermal rat | > 2000 mg/kg |
| Sodium carbonate (497-19-8) | |
| LD50 oral rat | 2800 mg/kg (Rat, Male / female, Experimental value, Oral, 14 day(s)) |
| LD50 dermal rabbit | > 2000 mg/kg (16 CFR 1500.40, 24 h, Rabbit, Experimental value, Dermal, 14 day(s)) |
| LC50 Inhalation - Rat | 2.3 mg/l (2 h, Rat, Male, Experimental value, Inhalation (aerosol), 10 day(s)) |
| LC50 Inhalation - Rat (Dust/Mist) | 1.2 mg/l Source: SIDS |
| Sodium phosphate tribasic dodecahydrate (10101-89-0) | |
| LD50 oral rat | 7400 mg/kg Source: National Library of Medicine |
| ATE CA (oral) | 7400 mg/kg bodyweight |
| Pentasodium triphosphate (7758-29-4) | |
| LD50 oral rat | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity) |
| LD50 dermal rabbit | > 4640 mg/kg bodyweight Animal: rabbit |
| LC50 Inhalation - Rat | > 0.39 mg/l Animal: rat, Guideline: EPA OPP 81-3 (Acute inhalation toxicity) |

Skin corrosion/irritation : Causes severe skin burns.
Serious eye damage/irritation : Causes serious eye damage.
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : May cause respiratory irritation.

| Sodium carbonate (497-19-8) | |
|---|------------------------------------|
| STOT-single exposure | May cause respiratory irritation. |
| Sodium phosphate tribasic dodecahydrate (10101-89-0) | |
| STOT-single exposure | May cause respiratory irritation. |
| Pentasodium triphosphate (7758-29-4) | |
| STOT-single exposure | May cause drowsiness or dizziness. |

STOT-repeated exposure : Not classified

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| | |
|--|--|
| Aspiration hazard | : Not classified |
| Likely routes of exposure | : Skin and eyes contact. Inhalation. Ingestion. |
| Expected Symptoms/Effects, Acute and Delayed | : May cause skin irritation, dermatitis, or skin burns. Respiratory or skin sensitisation. May cause dermatitis, eye irritation, corneal oedema and chemical burns. |
| Symptoms/effects after inhalation | : May cause respiratory irritation. |
| Symptoms/effects after skin contact | : Irritation. |
| Symptoms/effects after eye contact | : Serious damage to eyes. |
| Chronic symptoms | : No effects known. |

SECTION 12: Ecological information

12.1. Toxicity

| | |
|---|---|
| Ecology - general | : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. |
| Hazardous to the aquatic environment, short-term (acute) | : Not classified |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified |

| CUTLERY PRE-SOAK | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | No data available |
| Sodium carbonate (497-19-8) | |
| EC50 96h - Algae [1] | 242 mg/l Source: ECOTOX |
| Pentasodium triphosphate (7758-29-4) | |
| LC50 - Fish [1] | 590 mg/l Source: ECOTOX |
| EC50 - Crustacea [1] | > 100 mg/l Test organisms (species): Daphnia magna |
| Partition coefficient n-octanol/water (Log Pow) | -2.71 Source: Ecological Structure Activity Relationships |
| Ethoxylated propoxylated alcohols (C=6-10) (68987-81-5) | |
| LC50 - Fish [1] | 12.875 mg/l Source: EPISUITE |
| EC50 96h - Algae [1] | 6.217 mg/l Source: EPISUITE |
| Partition coefficient n-octanol/water (Log Pow) | 3.01 Source: EPISUITE |

12.2. Persistence and degradability

CUTLERY PRE-SOAK

Persistence and degradability Contains readily biodegradable component(s).

| Sodium carbonate (497-19-8) | |
|-------------------------------|-----------------------------------|
| Persistence and degradability | Biodegradability: not applicable. |

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according to the Hazardous Products Regulation (February 11, 2015)

| Sodium carbonate (497-19-8) | |
|------------------------------------|----------------------------|
| Chemical oxygen demand (COD) | Not applicable (inorganic) |
| ThOD | Not applicable (inorganic) |

12.3. Bioaccumulative potential

CUTLERY PRE-SOAK

Bioaccumulative potential Not established.
Partition coefficient n-octanol/water (Log Pow) No data available

| Sodium carbonate (497-19-8) | |
|---|--|
| Bioaccumulative potential | Not bioaccumulative. |
| Partition coefficient n-octanol/water (Log Pow) | -6.19 Source: Quantitative Structure Activity Relation |

| Pentasodium triphosphate (7758-29-4) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | -2.71 Source: Ecological Structure Activity Relationships |

| Ethoxylated propoxylated alcohols (C=6-10) (68987-81-5) | |
|--|-----------------------|
| Partition coefficient n-octanol/water (Log Pow) | 3.01 Source: EPISUITE |

12.4. Mobility in soil

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Ecology - soil No (test) data on mobility of the substance available.
Partition coefficient n-octanol/water (Log Pow) No data available

| Sodium carbonate (497-19-8) | |
|---|--|
| Surface tension | No data available in the literature |
| Ecology - soil | Low potential for adsorption in soil. |
| Partition coefficient n-octanol/water (Log Pow) | -6.19 Source: Quantitative Structure Activity Relation |

| Pentasodium triphosphate (7758-29-4) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | -2.71 Source: Ecological Structure Activity Relationships |

| Ethoxylated propoxylated alcohols (C=6-10) (68987-81-5) | |
|--|-----------------------|
| Mobility in soil | 107 Source: EPISUITE |
| Partition coefficient n-octanol/water (Log Pow) | 3.01 Source: EPISUITE |

12.5. Other adverse effects

Ozone : Not classified

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according to the Hazardous Products Regulation (February 11, 2015)

SECTION 13: Disposal considerations

13.1. Disposal methods

- Waste treatment methods : Dispose of contents and or container in accordance with licensed collector's sorting instructions.
- Product/Packaging disposal recommendations : Reuse if possible. Otherwise dispose recovered material in accordance with all local, Provincial or Federal regulations.
- Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (TDG) : Not applicable

14.3. Transport hazard class(es)

TDG

Transport hazard class(es) (TDG) : Not applicable

14.4. Packing group

Packing group (TDG) : Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

TDG

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. National regulations

Sodium carbonate (497-19-8)

Listed on the Canadian DSL (Domestic Substances List)

Sodium phosphate tribasic dodecahydrate (10101-89-0)

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

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Pentasodium triphosphate (7758-29-4)

Listed on the Canadian DSL (Domestic Substances List)

Ethoxylated propoxylated alcohols (C=6-10) (68987-81-5)

Listed on the Canadian NDSL (Non-Domestic Substances List)

15.2. International regulations

Sodium carbonate (497-19-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Sodium phosphate tribasic dodecahydrate (10101-89-0)

Not listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Pentasodium triphosphate (7758-29-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on INSQ (Mexican National Inventory of Chemical Substances)

Ethoxylated propoxylated alcohols (C=6-10) (68987-81-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active
Listed on INSQ (Mexican National Inventory of Chemical Substances)

SECTION 16: Other information

Issue date : 12/13/2023

Full text of H-statements:

| | |
|------|--|
| H314 | Causes severe skin burns and eye damage. |
| H318 | Causes serious eye damage. |
| H335 | May cause respiratory irritation. |

It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. Project Clean Inc. will accept no liability for damages or loss incurred from the improper handling and use of this product.

The information provided in the Safety Data Sheet has been obtained from current sources and is believed to be reliable.