

**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 201A  
Hamilton, Ontario L8R 2J9  
T 1 800 663 9925  
[regulatory@projectclean.com](mailto:regulatory@projectclean.com) - [www.projectclean.ca](http://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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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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<b>CUTLERY PRE-SOAK</b>	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg
<b>Sodium carbonate (497-19-8)</b>	
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
<b>Sodium phosphate tribasic dodecahydrate (10101-89-0)</b>	
LD50 oral rat	7400 mg/kg Source: National Library of Medicine
ATE CA (oral)	7400 mg/kg bodyweight
<b>Pentasodium triphosphate (7758-29-4)</b>	
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.

<b>Sodium carbonate (497-19-8)</b>	
STOT-single exposure	May cause respiratory irritation.
<b>Sodium phosphate tribasic dodecahydrate (10101-89-0)</b>	
STOT-single exposure	May cause respiratory irritation.
<b>Pentasodium triphosphate (7758-29-4)</b>	
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

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Persistence and degradability Contains readily biodegradable component(s).

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



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<b>Sodium carbonate (497-19-8)</b>	
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)

### 12.3. Bioaccumulative potential

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Bioaccumulative potential Not established.

Partition coefficient n-octanol/water (Log Pow) No data available

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

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

<b>Ethoxylated propoxylated alcohols (C=6-10) (68987-81-5)</b>	
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

<b>Sodium carbonate (497-19-8)</b>	
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

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

<b>Ethoxylated propoxylated alcohols (C=6-10) (68987-81-5)</b>	
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.