

1 Identification

- **Product name:** REGAIN HD Stainless Ware Soak
- **Article number:** 2174560100
- **Recommended use:** STAINLESS WARE SOAK
- **Restrictions on use:** All other uses than those indicated on the product label and technical data sheet
- **Manufacturer:**
CHANDLER
225 Thorne Avenue,
Saint John, New Brunswick
Canada
E2L 4L9
1-800-363-9611
- **Emergency telephone number:** CANUTEC 1-613-996-6666

2 Hazard identification

- **Classification of the product as sold:**
Skin Corr. 1C H314 Causes severe skin burns and eye damage.
Eye Dam. 1 H318 Causes serious eye damage.
Skin Sens. 1 H317 May cause an allergic skin reaction.

- **Label elements**
- **Hazard pictograms:**



GHS05 GHS07

- **Signal word:** Danger
- **Hazard statements:**
Causes severe skin burns and eye damage.
May cause an allergic skin reaction.
- **Precautionary statements:**
Do not breathe dust/fume/gas/mist/vapours/spray.
Wear protective gloves/protective clothing/eye protection/face protection.
Wash thoroughly after handling.
Contaminated work clothing should not be allowed out of the workplace.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
If skin irritation or rash occurs: Get medical advice/attention.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
Immediately call a POISON CENTER or a doctor.
Wash contaminated clothing before reuse.
Take off contaminated clothing and wash it before reuse.
Store locked up.
Dispose of contents and container in accordance with local, regional and national regulations.

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- **Classification system**
- **NFPA ratings (scale 0 - 4):**



Health = 2
Fire = 0
Reactivity = 0

- **Hazard not otherwise classified:** None Known
- **Notes:** For the wording of the listed abbreviations refer to section 16.

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- **Product AT USE DILUTION:** N/A

3 Composition/Information on ingredients

- **Chemical characterization:** Mixtures
- **Description:** Detergent powder containing the following hazardous products:

· Components:		
497-19-8	Sodium Carbonate	40-70%
10101-89-0	Trisodium Phosphate Dodecahydrate	10-30%
7722-88-5	Tetrasodium Pyrophosphate	3-7%
68439-46-3	Alcohols C9-C11 Ethoxylated	1-5%
149-30-4	Benzothiazole-2-Thiol	0.1-1.0%

- **Additional information:** Any concentration shown as a range is to protect confidentiality or is due to batch variation.

4 First aid measures

- **Description of first aid measures**
- **After inhalation:**
In case of unconsciousness place patient stably in side position for transportation. Get medical attention.
- **After skin contact:**
Remove immediately all contaminated clothing. Rinse skin with water or shower for at least 15 minutes. Consult a doctor if skin redness and irritation persist.
- **After eye contact:**
Rinse opened eye for several minutes under running water. Remove contact lenses, if present and easy to do so. Continue rinsing for a minimum of 15 to 60 minutes. Then consult a doctor.
- **After ingestion:**
Drink copious amounts of water and provide fresh air. Immediately call a doctor. Do not induce vomiting.
- **Most important symptoms and effects, both acute and delayed:** No further relevant information available.

5 Firefighting measures

- **Suitable extinguishing media:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray.
Use fire fighting measures that suit the environment.
- **Specific hazards arising from the product:** During heating or in case of fire poisonous gases are produced.
- **Special protective equipment and precautions for fire-fighters:**
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
- **Additional information:** This product is not flammable.

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6 Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Mount respiratory protective device.

Wear recommended protective equipment(s). Keep unprotected persons away.

Protective gloves (See Protection of Hands)

Environmental precautions: No special measures required.**Methods and material for containment and cleaning up:**

Use neutralizing agent (eg. food vinegar (5% acetic acid), citric acid, sodium bicarbonate in excess)

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

Precautions for safe handling:

Thorough dedusting.

Ensure good ventilation at the workplace.

Information about protection against explosions and fires: Keep respiratory protective device available.**Requirements to be met by storerooms and receptacles:** No special requirements.**Information about storage in one common storage facility:** Not required.**Conditions for safe storage, including any incompatibilities:**

Keep in the original receptacle tightly sealed.

Store under lock and key and out of the reach of children.

Specific end use(s): No further relevant information available.

8 Exposure controls/ Personal protection

Components with limit values that require monitoring at the workplace:**7722-88-5 Tetrasodium Pyrophosphate**EV | Long-term value: 5 mg/m³**Undiluted Product****Personal protective equipment:**

Protective gloves (See Protection of Hands)



Safety glasses (See Eye protection)

General protective and hygienic measures:

Avoid contact with the eyes and skin.

The usual precautionary measures for handling chemicals should be followed.

Wash hands before breaks and at the end of work.

Breathing equipment: Not required.**Protection of hands:**

The glove material has to be impermeable and resistant to the product.

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Protective Gloves

Check protective gloves prior to each use for their proper condition

· Eye protection:

Safety glasses are suggested when using this product in heavy use and institutional environments

Wear splash-proof chemical goggles in an industrial environment.

· Body protection:

Protective work clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. (recommended)

9 Physical and chemical properties

- **Form:** Powder
- **Colour:** Light blue
- **Odour:** Odourless
- **Odor threshold:** Not determined
- **pH-Value:** 11.2-11.8
- **Melting point/Melting range:** Not applicable.
- **Boiling point/Boiling range:** Undetermined.
- **Fusion temperature / range:** Not determined
- **Flash point:** Not determined
- **Flammability (solid, gaseous):** Not determined.

- **Ignition temperature:**
 - Decomposition temperature:** Not determined
- **Auto igniting:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**
 - Lower:** Not determined.
 - Upper:** Not determined.
- **Vapour pressure:** Not determined.
- **Relative density:** Not determined.
- **Vapour density (air=1):** Not applicable.
- **Evaporation rate:** Not applicable.
- **Solubility in / Miscibility with Water:** Not miscible or difficult to mix.

- **Partition coefficient (n-octanol/water):** Not determined

10 Stability and reactivity

- **Reactivity:** Not determined.
- **Chemical stability:** The product is stable.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** Reacts with acids.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** Hydrogen.

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In case of decomposition: carbon monoxide and carbon dioxide and traces of volatile halogenated compounds.

11 Toxicological information

- Information on the likely routes of exposure
- Numerical measures of acute toxicity:

· Components Mean of exposure	Type	Value (Species)
ATE (Acute Toxicity Estimates)		
Oral	LD50	6163 mg/kg (Rat)
Dermal	LD50	2857 mg/kg
Inhalative	LC50 (4 h)	3741 mg/L (Rat)
497-19-8 Sodium Carbonate		
Oral	LD50	4090 mg/kg (Rat)
Dermal	LD50	>2000 mg/kg (Rabbit)
Inhalative	LC50 (4 h)	2300 mg/L (Rat)
10101-89-0 Trisodium Phosphate Dodecahydrate		
Oral	LD50	7400 mg/kg (Rat)
Dermal	LD50	>7940 mg/kg (Rabbit)
7722-88-5 Tetrasodium Pyrophosphate		
Dermal	LD50	>2000 mg/kg (Rat)
Irritation of skin	OECD guideline 404	cat. 4 (Rabbit)
Irritation of eyes	OECD, guideline 405	cat. 1 (Rabbit) (OECD 405)
68439-46-3 Alcohols C9-C11 Ethoxylated		
Oral	LD50	1378 mg/kg (Rat)
Dermal	LD50	>2000 mg/kg (Rabbit)
Irritation of skin	OECD guideline 404	Not classified. (Rabbit)
Irritation of eyes	OECD, guideline 405	cat. 1 (Rabbit)
Sensitization	OECD, guideline 406	Not classified. (guinea pig)
149-30-4 Benzothiazole-2-Thiol		
Oral	LD50	100 mg/kg (Rat)
Dermal	LD50	>7940 mg/kg (Rabbit)

- **Symptomes related to the physical, chemical and toxicological characteristics**
- **If on the skin:** CORROSIVE: Strong caustic effect on skin and mucous membranes.
- **If on the eye:**
CORROSIVE: Strong caustic effect.
Strong irritant with the danger of severe eye injury.
- **After ingestion:** May cause irritation of the gastrointestinal tract, nausea, vomiting and headache.
- **Sensitization:** Sensitization possible through skin contact.
- **Delayed and immediate effects, and chronic effects from short-term and long-term exposure:**
Prolonged or frequent contact can cause eczema and inflammation of the skins as a results of degreasing.
- **Carcinogenic categories:**

· IARC (International Agency for Research on Cancer)		
7664-93-9	Sulfuric Acid	1

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· NTP (National Toxicology Program)		
7664-93-9	Sulfuric Acid	K

12 Ecological information

- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** Not determined
- **Ecotoxicity:** No relevant information available.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods recommendation:**
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with local authority requirements.
Dispose in accordance with all applicable federal, state, provincial and local laws and regulations. Contact your local, state, provincial or Federal environmental agency for specific rules.
- **Uncleaned packagings recommendation:**
Do not re-use empty containers.
Dispose of packaging according to regulations on the disposal of packagings.
- **Recommended cleansing agent:**
Water
Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

14 Transport information

- **UN-Number**
- **DOT, IMDG, IATA** UN3077
- **UN proper shipping name**
- **DOT+TDG** Environmentally hazardous substances, solid, n.o.s. (Trisodium Phosphate Dodecahydrate)
- **IMDG, IATA** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Trisodium Phosphate Dodecahydrate)
- **Transport hazard class(es)**
- **DOT, IMDG, IATA**
- **Class** 9 Miscellaneous dangerous substances and articles
- **Packing group**
- **DOT, IMDG, IATA** III

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Canadian substance listings**
- **Canadian Domestic Substances List (DSL)** Not all the ingredients are listed

· Canadian Ingredient Disclosure list (limit 1%)	
497-19-8	Sodium Carbonate
7722-88-5	Tetrasodium Pyrophosphate

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16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Actual conditions of use and handling are beyond seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.

• **Department issuing SDS:**

Prepared by :
Regulatory Affairs Department

• **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
P: Marine Pollutant
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent