

**Safety Data Sheet**  
*acc. to SOR/2015-17 and OSHA 29 CFR Parts 1910, 1915,  
1926*

## **1 Identification**

- **Product identifier**
  - Trade 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.
- **Details of the supplier of the safety data sheet**
  - **Manufacturer:**  
Chandler (Enviro)  
365, Frenette Avenue, Caledonia Industrial Park  
Moncton, NB,  
Canada  
E1H 3S5  
1-888-389-2436
  - **Client Identification Number** 201003
  - **Emergency telephone number:** CANUTEC 1-613-996-6666

## **2 Hazard(s) identification**

- **Classification of the product:**



Skin Corr. 1A 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-determining components of labeling:**  
Trisodium Phosphate Dodecahydrate  
Tetrasodium Pyrophosphate  
Alcohols C9-C11 Ethoxylated  
Benzothiazole-2-thiol
- **Hazard statements:**  
H314 CAUSES SEVERE SKIN BURNS AND EYE DAMAGE.

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H317 May cause an allergic skin reaction.

· **Precautionary statements**

- P260 Do not breathe dusts or mists.
- P280 Wear protective gloves and eye or face protection.
- P264 Wash thoroughly after handling.
- P272 Contaminated work clothing must not be allowed out of the workplace.
- P303+P361+P353 IF ON SKIN OR HAIR: Remove or 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.
- P304+P340 IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
- P333+P313 IF SKIN IRRITATION OCCURS: Get medical attention.
- P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P310 Immediately call a POISON CENTER or a doctor.
- P363 Wash contaminated clothing before reuse.
- P405 Store locked up.
- P501 Dispose of contents and container in accordance with local, regional and national regulations.

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



· **Hazard not otherwise classified** None

· **Notes:** For the wording of the listed abbreviations refer to section 16.

**3 Composition/information on ingredients**

· **Dangerous components:**

C A S (% w/w)	C o m p o n e n t	
497-19-8	Sodium Carbonate	50-100%
10101-89-0	Trisodium Phosphate Dodecahydrate	25-50%
7722-88-5	Tetrasodium Pyrophosphate	3-<10%
68439-46-3	Alcohols C9-C11 Ethoxylated	1-≤2.5%
149-30-4	Benzothiazole-2-thiol	0.1-<0.3%

**4 First-aid measures**

· **General information:**

Immediately remove any clothing soiled by the product. Wash contaminated clothing before reuse.

· **After inhalation:**

In case of unconsciousness place patient stably in side position for transportation. Get medical attention.

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- **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.
- **Information for doctor:**
  - **Most important symptoms and effects, both acute and delayed**  
Contact can cause pain, redness, burns, and even blistering. Burns may not be immediately painful; onset of pain may be delayed minutes to hours. Permanent damage including blindness can result after prolonged contact with eyes.

### **5 Fire-fighting measures**

- **Suitable extinguishing media**
  - **Suitable extinguishing media**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Specific hazards arising from the product**  
In case of accidental fire and extreme heat conditions, the following gaseous products can be released after water evaporation: hydrocarbons, carbon monoxides and dioxides (CO<sub>x</sub>) and nitrogen dioxide (NO<sub>x</sub>).
- **Advice for firefighters**
  - **Special protective equipment and precautions for fire-fighters** No special measures required.
- **Additional information** This product is not flammable.

### **6 Accidental release measures**

- **Personal precautions, protective equipment and emergency procedures**  
Wear recommended protective equipment(s). Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **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.

### **7 Handling and storage**

- **Handling:**
  - **Precautions for safe handling** Thorough dedusting.
- **Conditions for safe storage, including any incompatibilities**
  - **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.

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- 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**

- **Appropriate engineering controls** Ensure appropriate aeration and ventilation.
- **Control parameters**

· **Components with limit values that require monitoring at the workplace:**

**7722-88-5 Tetrasodium Pyrophosphate**

EV (Canada) Long-term value: 5 mg/m<sup>3</sup>

- **Additional information:** The lists that were valid during the creation were used as basis.

- **Exposure controls**
- **Personal protective equipment:**



Tightly sealed goggles



Protective gloves

- **General protective and hygienic measures:**
  - Avoid contact with the eyes and skin.
  - Do not breathe dust, fume, gas, mist, vapors or spray.
  - Immediately remove all soiled and contaminated clothing.
  - Wash hands before breaks and at the end of work.
  - Keep away from foodstuffs, beverages and feed.
  - Avoid breathing dust, fume, gas, mist, vapors or spray.
- **Breathing equipment:** Not required.
- **Protection of hands:** Protective gloves
- **Eye protection:** Tightly sealed goggles
- **Body protection:** No special measures required.

### **9 Physical and chemical properties**

- **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

- **Form:** Powder
- **Colour:** Light blue
- **Odour:** Odourless.
- **Odour threshold:** Not determined.

· **pH-value at 25 °C:** (1%) 11.2-11.8

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· <b>Change in condition</b>	
· <b>Melting point/Melting range:</b>	Not applicable.
· <b>Boiling point/Boiling range:</b>	Undetermined.
· <b>Flash point:</b>	Not determined.
· <b>Flammability (solid, gaseous):</b>	Not determined.
· <b>Ignition temperature:</b>	
· <b>Decomposition temperature:</b>	Not determined.
· <b>Auto igniting:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Explosion limits:</b>	
· <b>Lower:</b>	Not determined.
· <b>Upper:</b>	Not determined.
· <b>Vapour pressure:</b>	Not applicable.
· <b>Density:</b>	Not determined.
· <b>Relative density</b>	Not determined.
· <b>Vapour density (air=1)</b>	Not applicable.
· <b>Evaporation rate</b>	Not applicable.
· <b>Solubility in / Miscibility with</b>	
· <b>Water:</b>	Fully miscible
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
· <b>Dynamic:</b>	Not applicable.
· <b>Solvent content:</b>	
· <b>Organic solvents:</b>	0.0 %

### **10 Stability and reactivity**

- **Reactivity** The product is basic.
- **Chemical stability**
  - **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:** This product may react with strong oxidizing agents.
- **Hazardous decomposition products:**  
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** Skin and eyes contact

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- **Acute toxicity:**
- **Numerical measures of toxicity**

· Components		Type	Value (Species)
Mean of exposure			
<b>ATE (Acute Toxicity Estimates)</b>			
Oral	LD50		4463 mg/kg
Dermal	LD50		2857 mg/kg
Inhalative	LC50 (4 h)		3741 mg/L (rat)
<b>497-19-8 Sodium Carbonate</b>			
Oral	LD50		4090 mg/kg (rat)
Dermal	LD50		>2000 mg/kg (rabbit)
Inhalative	LC50 (4 h)		2300 mg/L (rat)
<b>149-30-4 Benzothiazole-2-thiol</b>			
Oral	LD50		100 mg/kg (rat)
Dermal	LD50		>7940 mg/kg (rabbit)

- **Symptomes related to the physical, chemical and toxicological characteristics**
- **by inhalation:** Not applicable
- **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:** No sensitizing effects known.
- **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.
- **Additional toxicological information:**  
The product shows the following dangers according to internally approved calculation methods for preparations:  
Corrosive  
Irritant  
Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.
- **Carcinogenic categories**

· IARC (International Agency for Research on Cancer)		
7664-93-9	Sulfuric acid	1
· NTP (National Toxicology Program)		
7664-93-9	Sulfuric acid	K

**12 Ecological information**

- **Persistence and degradability** No relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.

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- **Mobility in soil** No further relevant information available.
- **Ecotoxicity** No relevant information available
- **General notes:**
  - Germany: Water hazard class 3 (Self-assessment): extremely hazardous for water.
  - Germany: Do not allow product to reach ground water, water course or sewage system, even in small quantities.
  - Must not reach bodies of water or drainage ditch undiluted or unneutralized.
  - Germany: Danger to drinking water if even extremely small quantities leak into the ground.
  - Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values.
  - A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

**13 Disposal considerations**

- **Waste treatment methods**
  - **Recommendation:** Must not be disposed of together with household garbage. Do not allow product to reach sewage system unless significantly diluted or neutralized.
- **Uncleaned packagings:**
  - **Recommendation:** Disposal must be made according to official regulations.
  - **Recommended cleansing agent:** Water.

**14 Transport information**

· DOT, IMDG, IATA	UN3262
· UN proper shipping name · DOT	Corrosive solid, basic, inorganic, n.o.s. (Trisodium Phosphate Dodecahydrate)
· Packing group · DOT	III
· Environmental hazards: · Marine pollutant:	No
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

**15 Regulatory information**

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

· <b>Chemicals known to cause cancer:</b>
None of the ingredients is listed.
· <b>Chemicals known to cause reproductive toxicity for females:</b>
None of the ingredients is listed.

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· <b>Chemicals known to cause reproductive toxicity for males:</b>		
None of the ingredients is listed.		
· <b>Chemicals known to cause developmental toxicity:</b>		
None of the ingredients is listed.		
· <b>EPA (Environmental Protection Agency)</b>		
None of the ingredients is listed.		
· <b>TLV (Threshold Limit Value established by ACGIH)</b>		
7664-93-9	Sulfuric acid	A2
· <b>NIOSH-Ca (National Institute for Occupational Safety and Health)</b>		
None of the ingredients is listed.		

**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.

· **Date of creation/last revision:** 06/30/2015

· **Abbreviations and acronyms:**

- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- DOT: US Department of Transportation
- IATA: International Air Transport Association
- ACGIH: American Conference of Governmental Industrial Hygienists
- 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
- Skin Corr. 1A: Skin corrosion/irritation, Hazard Category 1A
- Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
- Skin Sens. 1: Sensitisation - Skin, Hazard Category 1