

# SAFETY DATA SHEET (SDS) NEUTRAL+



## SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### Product identification

Product name : NEUTRAL+ LAUNDRY PH NEUTRALIZER

### Other means of identification

Product type : Liquid

### Relevant identified uses

Recommended use : For industrial and institutional use.

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

Supplier / Manufacturer : Kempro Services  
6068 boul. Metropolitain Est, Suite 100, St-Léonard, Québec. H1S 1A9  
Tel : 1-800-299-0548

E-mail : info@kemproservices.com

### Emergency number

Emergency telephone number : Poison Control Centre : 1-800-463-5060  
(with hours of operation) CANUTEC : +1-613-996-6666 or \*666 (cellphone)(24/7)

## SECTION 2. HAZARDS IDENTIFICATION

### Classification of the substance or mixture

METAL CORROSION - Category 1  
SKIN CORROSION - Category 1C  
SERIOUS EYE DAMAGE - Category 1  
SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY- Category 1

### GHS Label Elements

Hazard(s) pictograms :



GHS05



GHS07

Signal word : Danger

Hazard statements : **H290** - May be corrosive to metals.  
**H314** - Causes severe skin burns and eye damage.  
**H335** - May cause respiratory irritation.

### Precautionary statements

- Prevention : **P260** – Do not breathe dust/fume/gas/mist/vapours/spray.  
**P264** - Wash thoroughly after handling.  
**P271** – Use only outdoors or in a well-ventilated area.  
**P280** - Wear protective gloves/protective clothing/eye protection/face protection.
- Response : **P304 + P340** - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
**P301 + P330 + P331** - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
**P303 + P361 + P353** - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
**P363** - Wash contaminated clothing before reuse.  
**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/physician.
- Storage : **Not applicable**
- Disposal : **P501** - Dispose of contents and container in accordance with local, regional and national regulations.

### Other known hazards

Not additional information available

## SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

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## Substance/mixture

Substances : Mixture  
Other means of identification : Aqueous solution mainly composed by the following ingredients

## CAS number /other identifiers/ Mixtures

CAS number : Not applicable

| Ingredient name | % (p/p) | CAS number |
|-----------------|---------|------------|
| Phosphoric acid | 10-30   | 7664-38-2  |

Within the present knowledge of the supplier, this product does not contain any hazardous ingredients in quantities requiring reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## SECTION 4. FIRST-AID MEASURES

### Description of necessary first aid measures

**Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes.

**Inhalation** : Move victim to fresh air. In case of unconsciousness place patient stably in side position for transportation. Seek medical attention, if symptoms develop or persist.

**Skin contact** : Wash contaminated skin with plenty of water. Remove immediately all contaminated clothing. Consult a doctor if skin redness and irritation persist.

**Ingestion** : If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Seek medical attention, if symptoms develop or persist.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

**Eye contact** : Causes serious eye damage.

**Inhalation** : Inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract.

**Skin contact** : Causes severe burns.

**Ingestion** : May cause burns to mouth, throat and stomach.

#### Over-exposure signs/symptoms

**Eye contact** : Adverse symptoms may include the following:  
pain, watering, redness

**Inhalation** : No specific data.

**Skin contact** : Adverse symptoms may include the following:  
CORROSIVE: Strong caustic effect on skin and mucous membranes.

**Ingestion** : May cause irritation of the gastrointestinal tract, nausea, vomiting and headache.

### Indication of immediate medical attention and special treatment needed, if necessary

**Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**Specific treatments** : No specific treatment.

**Protection of first-aiders** : No further relevant information available.

See toxicological information (section 11)

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing media

**Suitable extinguishing media** : Carbon dioxide (CO<sub>2</sub>), extinguishing powder, water spray.

**Unsuitable extinguishing media** : None known

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## Specific hazards arising from the chemical

- Fire hazard** : *During heating or in case of fire poisonous gases are produced.*
- Hazardous thermal decomposition products** : *Decomposition products may include the following materials: e hydrogen, phosphine, oxides of phosphorus and irritating gases.*

## Special protective equipment and precautions for fire-fighters

- Special protective actions for fire-fighters** : *Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any person risk or without suitable training.*
- Special protective equipment for fire-fighters** : *Fire-fighters should wear appropriate protective equipment, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.*

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : *No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.*
- For emergency responders** : *If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".*

### Methods and materials for containment and cleaning up

- Methods for containment** : *Stop leak if without risk. Move container from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container.*
- Methods for cleaning up** : *No special collection methods required. Dispose of in accordance with all national and local regulations.*

## SECTION 7. HANDLING AND STORAGE

### Precautions for safe handling

- Protective measures** : *Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Avoid release to the environment. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.*
- Advice on general occupational hygiene** : *Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.*
- Conditions for safe storage, including any incompatibilities** : *Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Materials of construction for storing the product include: stainless steel or plastics. Equipment for storage, handling or transportation should NOT be made of: aluminum, brass, copper, titanium, bronze, mild steel and cast iron. Attacks some types of rubber, plastics and coatings. Separate from alkalis. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.*

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## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control parameters

#### Occupational exposure limits

| Hazardous ingredients  | Exposure limit values  |
|------------------------|--|
| <i>Phosphoric acid</i> | CA Quebec Provincial (Canada).<br>TWA: 1mg/m <sup>3</sup><br>STEL : 3mg/m <sup>3</sup> |

### **Appropriate engineering controls**

*If user operations generate vapor aerosols or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.*

### Individual protection measures

- General protection and hygiene measures** : *Wash hands, forearms and face thoroughly after handling chemical products before eating, smoking and using lavatory and at the end of the working period. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.*
- Eye/face protection** : *Wear safety glasses against chemical splashes.*
- Hands protection** : *Wear chemical-resistant, impervious gloves.*
- Skin & body protection** : *Wear appropriate protective clothing to prevent skin contact.*
- Respiratory Protection** : *None under normal conditions of use.*

## SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

### Appearance

- Physical state** : *Liquid*
- Colour** : *Colourless*
- Odour** : *Acid*
- Odor threshold** : *Not available.*
- pH** : *1.0 – 2.0*
- Melting point** : *Not available.*
- Freezing point** : *Not available.*
- Boiling point** : *100°C*
- Flash point** : *Not available.*
- Evaporation rate** : *Not available.*
- Flammability (solid, gaseous):** : *Not applicable.*
- Lower and upper explosive (flammable) limits** : *Not available.*
- Vapor pressure** : *Not available.*
- Vapor density** : *Not available.*
- Relative density (g/ml)** : *1.185- 1.215*
- Solubility** : *Complete in water*
- Partition coefficient: noctanol/water** : *Not available.*
- Auto-ignition temperature** : *Not available.*
- Decomposition temperature** : *Not available.*
- Viscosity** : *Not available.*

## SECTION 10. STABILITY ET REACTIVITY

### **Reactivity**

*No specific test data related to reactivity available for this product or its ingredients.*

### **Chemical Stability**

*The product is stable.*

### **Possibility of hazardous reactions**

*Under normal conditions of storage and use, hazardous reactions will not occur.*

### **Conditions to avoid**

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No specific data.

**Incompatible materials**

In contact with most metals, produces hydrogen gas, a flammable and explosive gas. It is particularly corrosive to ferrous metals, zinc and aluminum.

**Hazardous decomposition products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**SECTION 11. TOXICOLOGICAL INFORMATION**

**Information on toxicological effects**

**Acute toxicity**

There is no data available.

**Irritation/Corrosion**

| Product/ingredient name | Result           | Species | Exposure              |
|-------------------------|------------------|---------|-----------------------|
| Phosphoric acid         | Oral             |         | LD50                  |
|                         | Dermal           |         | LD50                  |
|                         | Inhalation Vapor |         | LC50                  |
|                         |                  | Rat     | 1530mg/kg             |
|                         |                  | Rabbit  | 2740mg/kg             |
|                         |                  | Rat     | 3846mg/m <sup>3</sup> |

**Sensibilization**

There is no data available.

**Mutagenicity**

There is no data available.

**Cancerogenicity**

**Classification**

| Product/ingredient name | OSHA | CIRC | NTP | ACGIH | EPA | NIOSH |
|-------------------------|------|------|-----|-------|-----|-------|
| Phosphoric acid         | -    | -    | -   | -     | -   | -     |

**Reproductive toxicity**

There is no data available.

**Teratogenicity**

There is no data available.

**Specific target organ toxicity (single exposure)**

There is no data available.

**Specific target organ toxicity (repeated exposure)**

There is no data available.

**Aspiration hazard**

There is no data available.

Information on the likely routes of exposure : Dermal contact. Eye contact. Inhalation. Ingestion.

**Symptoms related to the physical, chemical and toxicological characteristics**

- Eye contact : Adverse symptoms may include the following:  
Pain, watering, redness
- Inhalation : No specific data.
- Skin contact : Adverse symptoms may include the following:  
CORROSIVE: Strong caustic effect on skin and mucous membranes.
- Ingestion : May cause irritation of the gastrointestinal tract, nausea, vomiting and headache.

**Delayed and immediate effects and also chronic effects from short and long-term exposure**

**Short term exposure**

- Potential immediate effects : No known significant effects or critical hazards.
- Potential delayed effects : No known significant effects or critical hazards.

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## Long term exposure

- Potential immediate effects : No known significant effects or critical hazards.  
 Potential delayed effects : Prolonged or frequent contact can cause eczema and inflammation of the skins as a result of degreasing.

## Potential chronic health effects

- General : No known significant effects or critical hazards.  
 Carcinogenicity : No known significant effects or critical hazards.  
 Mutagenicity : No known significant effects or critical hazards.  
 Teratogenicity : No known significant effects or critical hazards.  
 Developmental effects : No known significant effects or critical hazards.  
 Fertility effects : No known significant effects or critical hazards.

## Numerical measures of toxicity

### Acute toxicity estimates

There is no data available.

## SECTION 12. ÉCOLOGICAL INFORMATION

### Toxicity

| Product/ingredient name | Result                         | Species             | Exposure |
|-------------------------|--------------------------------|---------------------|----------|
| Phosphoric acid         | Aiguë CL50 138 ppm (aquatique) | Larvivore - Poisson | 24 hours |

### Persistence and degradability

There is no data available.

### Bioaccumulative potential

There is no data available.

### Mobility in soil

Soil/water partition coefficient (KOC) : There is no data available

### Other adverse effects

No known significant effects or critical hazards.




## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste treatment methods : Dispose of contents must be made according to local, state or national legislation. Do not allow to get into surface water, drains and ground water.

Container disposal: : Do not re-use empty containers. Dispose of packaging according to regulations on the disposal of packaging.

## SECTION 14. TRANSPORT INFORMATION

|                            | TDG Classification   | IMDG   | IATA   |
|----------------------------|--|--|--|
| UN number                  | UN1805   | UN1805   | UN1805   |
| UN proper shipping name    | Phosphoric acid liquid, solution   | Phosphoric acid liquid, solution   | Phosphoric acid liquid, solution   |
| Transport hazard class(es) | 8<br> | 8<br> | 8<br> |
| Packing group              | III  | III  | III  |
| Environmental              | Yes  | Yes  | Yes  |

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|                        |   |   |   |
|------------------------|---|---|---|
| hazards                |   |   |   |
| Additional information | Remarks: Limited quantity in 5L or less | - | - |

**Special precautions for user**      **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

## SECTION 15. REGULATORY INFORMATION

### Canadian List

- Canadian NPRI : None of the components are listed.
- CEPA Toxic substances (Canadian Environmental Protection Act) : None of the components are listed.
- Canada inventory : All components are listed or exempted.

## SECTION 16. OTHER INFORMATION

### History

- Date of issue : 11/11/2020
- Version : 1
- Key to abbreviations : ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
UN = United Nations  
HPR = Hazardous Products Regulations

### Notice to reader

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