

# SAFETY DATA SHEET

## 1. Identification

Product identifier Waterboss Water Softener Cleaner

Other means of identification Not available.

Recommended use Water Softener Resin Cleaner

**Recommended restrictions** None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name Pro Products LLC

Address 6714 Pointe Inverness Way

Suite 200 Fort Wayne

IN

46804-7935 United States 260-483-2519

Telephone260-483-2519E-mailNot available.

Emergency phone number 1-800-424-9300 (CHEMTREC)

Supplier See above.

### 2. Hazard identification

 Physical hazards
 Corrosive to metals
 Category 1

 Health hazards
 Skin corrosion/irritation
 Category 2

Serious eye damage/eye irritation Category 2A

Environmental hazards Not classified.

WHMIS 2015 defined hazards Not classified

Label elements



Signal word Warning

**Hazard statement** May be corrosive to metals. Causes skin irritation. Causes eye irritation.

**Precautionary statement** 

**Prevention** Keep only in original packaging. Wash thoroughly after handling. Wear protective gloves. Wear

eye protection.

**Response** Absorb spillage to prevent material-damage. IF ON SKIN: Wash with plenty of water. Take off

contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. Specific treatment

(see information on this label).

**Storage** Store in a corrosion resistant container with a resistant inner liner.

**Disposal** Dispose of container in accordance with local, regional, national and international regulations.

WHMIS 2015: Health Hazard(s)

not otherwise classified

(HHNOC)

None known

None known

WHMIS 2015: Physical Hazard(s) not otherwise classified (PHNOC)

Hazard(s) not otherwise

classified (HNOC)

None known.

Supplemental information None.

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	3. Composition/Information on	ingredients	
Mixture			
Chemical name	Common name and synonyms	CAS number	%
Phosphoric acid		7664-38-2	3 - 7
Composition comments	CANADA GHS: The exact percentage (consecret.	centration) of composition has b	een withheld as a trade
	US GHS: The exact percentage (concentral secret in accordance with paragraph (i) of §		ithheld as a trade
	4. First-aid measure	s	
Inhalation	If symptoms develop move victim to fresh a	ir. If symptoms persist, obtain m	nedical attention.
Skin contact	IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash it before reuse. Specific treatment (see information on this label).		
Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.		
Ingestion	Rinse mouth. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious or is convulsing. Obtain medical attention.		
Most important symptoms/effects, acute and delayed	Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.		
Indication of immediate medical attention and special treatment needed	Symptoms may be delayed. Treat patient sy	ymptomatically.	
General information	Ensure that medical personnel are aware of protect themselves. If you feel unwell, seek this safety data sheet to the doctor in attend gloves and chemical splash goggles. Keep	medical advice (show the label dance. Avoid contact with eyes	where possible). Show
	5. Fire-fighting measu	res	
Suitable extinguishing media	Treat for surrounding material.		
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as	this will spread the fire.	
Specific hazards arising from the chemical	Firefighters should wear a self-contained br	reathing apparatus.	
Special protective equipment and precautions for firefighters	Firefighters should wear full protective cloth	ing including self-contained bre	athing apparatus.
Fire-fighting equipment/instructions	Move containers from fire area if you can do	o so without risk.	
Specific methods	Use standard firefighting procedures and co	onsider the hazards of other inve	olved materials.
Hazardous combustion products	May include and are not limited to: Oxides of	of carbon. Oxides of phosphorus	S.
	6. Accidental release mea	asures	
Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep out of low areas. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.		
Methods and materials for containment and cleaning up	Large Spills: Stop leak if you can do so with possible. Cover with plastic sheet to preven damage. Absorb in vermiculite, dry sand or waterways, sewer, basements or confined a	t spreading. Absorb spillage to earth and place into containers	prevent material . Prevent entry into
	Small Spills: Wipe up with absorbent mate remove residual contamination.	erial (e.g. cloth, fleece). Clean so	urface thoroughly to

sewers, basements or confined areas.

**Environmental precautions** 

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Avoid discharge into drains, water courses or onto the ground. Prevent entry into waterways,

cautions for safe handling	swallow. Provide adequate ventilation	ning. Avoid breathing mists or vapours. Do not taste or when using, do not eat, drink or smoke. Avoid prolonged protective equipment. Wash thoroughly after handling. Use andling this material.	
nditions for safe storage, uding any incompatibilities	Keep out of reach of children. Keep only in the original container. Keep container tightly closed in cool, dry and well-ventilated place. Store in a corrosion resistant container with a resistant inner liner. Store in a closed container away from incompatible materials.		
	8. Exposure controls/Pers	sonal protection	
cupational exposure limits			
Canada. Alberta OELs (Occi Components	ipational Health & Safety Code, Sche Type	edule 1, Table 2) Value	
Phosphoric acid (CAS 7664-38-2)	STEL	3 mg/m3	
,	TWA	1 mg/m3	
Canada. British Columbia O Safety Regulation 296/97, as		for Chemical Substances, Occupational Health and	
Components	Туре	Value	
Phosphoric acid (CAS 7664-38-2)	STEL	3 mg/m3	
	TWA	1 mg/m3	
Canada. Manitoba OELs (Re Components	g. 217/2006, The Workplace Safety A Type	nd Health Act) Value	
Phosphoric acid (CAS 7664-38-2)	STEL	3 mg/m3	
	TWA	1 mg/m3	
Canada. New Brunswick Re Components	gulation 91-191, as amended Type	Value	
Phosphoric acid (CAS 7664-38-2)	STEL	3 mg/m3	
	TWA	1 mg/m3	
Canada. Ontario OELs. (Cor Components	trol of Exposure to Biological or Cho Type	emical Agents) Value	
Phosphoric acid (CAS 7664-38-2)	STEL	3 mg/m3	
	TWA	1 mg/m3	
Canada. Quebec OELs. (Min Components	istry of Labor - Regulation respectin Type	g occupational health and safety) Value	
Phosphoric acid (CAS 7664-38-2)	STEL	3 mg/m3	
,	TWA	1 mg/m3	
	•	egulations, 2020. S-15.1 Reg. 10. Table 18)	
Components	Туре	Value	
Phosphoric acid (CAS 7664-38-2)	15 minute	3 mg/m3	
US. OSHA Table Z-1 Limits 1 Components	or Air Contaminants (29 CFR 1910.10 Type	000) Value	
Phosphoric acid (CAS 7664-38-2)	PEL	1 mg/m3	
US. ACGIH Threshold Limit Components	Values Type	Value	
Phosphoric acid (CAS	STEL	3 mg/m3	
7664-38-2)	TWA	1 mg/m3	
		<b>5</b> -	

7. Handling and storage

US. NIOSH: Pocket Guide to Chemical Hazards

Value Components Phosphoric acid (CAS STEL 3 mg/m3 7664-38-2)

**Biological limit values** No biological exposure limits noted for the ingredient(s).

TWA

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

1 mg/m3

#### Individual protection measures, such as personal protective equipment

or drink.

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection Wear appropriate chemical resistant gloves.

Other Wear appropriate chemical resistant clothing. As required by employer code.

Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respiratory protection

Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134).

CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2).

Thermal hazards Not applicable.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Wash hands before breaks and immediately after handling the product. Use good industrial hygiene practices in handling this material. When using do not eat

9. Physical and chemical properties

Clear **Appearance** Physical state Liquid. Liquid. **Form** Colour Blue

Characteristic Odour Not available **Odour threshold** 2.53 (1%) pН

Acid Reserve: 2.1

Melting point/freezing point Initial boiling point and boiling

range

Not available. Not available.

Specific gravity Not available. Not available. Flash point Not available. **Evaporation rate** Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower

(%)

Not available.

Flammability limit - upper

(%)

Not available.

Explosive limit - lower (%)

Not available.

Explosive limit – upper

(%)

Not available.

Not available. Vapour pressure Vapour density Not available. 1.08 - 1.1 Relative density Not available. Solubility(ies) Not available. Partition coefficient

(n-octanol/water)

Not available. **Auto-ignition temperature** Not available. **Decomposition temperature** 

**Viscosity** Not available.

Other information

Not available. Pour point

10. Stability and reactivity

Reacts vigorously with alkaline material. This product may react with reducing agents. Reactivity

Possibility of hazardous

reactions

Hazardous polymerisation does not occur.

Chemical stability Stable under recommended storage conditions.

Conditions to avoid Do not mix with other chemicals.

Caustics. Bases. Reducing Agents. Oxidizers. Reacts with metals. Corrosive to aluminum. Incompatible materials

Corrosive to steel.

Hazardous decomposition

products

May include and are not limited to: Oxides of carbon. Oxides of phosphorus.

# 11. Toxicological information

Routes of exposure Eye, Skin contact, Inhalation, Ingestion.

Information on likely routes of exposure

Ingestion May cause stomach distress, nausea or vomiting.

Inhalation Prolonged inhalation may be harmful.

Skin contact Causes skin irritation.

Causes serious eye irritation. Eye contact

Symptoms related to the physical, chemical and toxicological characteristics Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May

cause redness and pain.

## Information on toxicological effects

**Acute toxicity** 

Components **Species Test Results** 

Phosphoric acid (CAS 7664-38-2)

**Acute** 

Dermal

LD50 Rabbit 2740 mg/kg, RTECS, CNESST

Inhalation

LC50 Guinea pig, Mouse, Rabbit, Rat 3846 mg/m3, 1 Hours, ECHA

Oral

LD50 Rat 1530 mg/kg, CNESST

Skin corrosion/irritation Causes skin irritation.

Not available. **Exposure minutes** Not available. Erythema value Oedema value Not available.

Serious eye damage/eye

irritation

Causes serious eye irritation.

Not available. Corneal opacity value Iris lesion value Not available. Not available. Conjunctival reddening

value

Not available.

Conjunctival oedema value Recover days Not available.

Respiratory or skin sensitisation

Canada - Alberta OELs: Irritant

Phosphoric acid (CAS 7664-38-2) Irritant

**Respiratory sensitisation** Not available.

Skin sensitisation This product is not expected to cause skin sensitisation.

Mutagenicity Non-hazardous by WHMIS/OSHA criteria.

Carcinogenicity Not classified or listed by IARC, NTP, OSHA and ACGIH. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not listed.

Non-hazardous by WHMIS/OSHA criteria. Reproductive toxicity Non-hazardous by WHMIS/OSHA criteria. **Teratogenicity** 

Specific target organ toxicity -

single exposure

Not classified.

Specific target organ toxicity -

repeated exposure

Not classified.

Aspiration hazard

Not available.

**Chronic effects** 

Prolonged inhalation may be harmful.

# 12. Ecological information

**Ecotoxicity** See below

**Ecotoxicological data** 

**Test Results** Components **Species** 

Phosphoric acid (CAS 7664-38-2)

Aquatic

Acute

LC50 Crustacea Water flea (Daphnia magna) 4.6 mg/L, 12 hr Fish LC50 Mosquitofish (Gambusia affinis affinis) 3 - 3.5 mg/L, 96 hr

Persistence and degradability

No data is available on the degradability of this product.

No data available. Bioaccumulative potential Mobility in soil No data available. Mobility in general Not available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### 13. Disposal considerations

Review federal, state/provincial, and local government requirements prior to disposal. Collect and **Disposal instructions** 

> reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical

or used container.

Local disposal regulations

Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Waste from residues / unused

products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.

Since emptied containers may retain product residue, follow label warnings even after container is

emptied.

## 14. Transport information

**Transport of Dangerous Goods** (TDG) Proof of Classification

Classification Method: Classified as per Part 2, Sections 2.1 – 2.8 of the Transportation of Dangerous Goods Regulations. If applicable, the technical name and the classification of the product will appear below.

### U.S. Department of Transportation (DOT)

**Basic shipping requirements:** 

**UN number** UN1805

Proper shipping name Phosphoric acid solution

**Hazard class** 

Subsidiary hazard class

Limited Quantity - US

Packing group

A7, IB3, N34, T4, TP1 Special provisions Packaging exceptions <1.3 gallons - Limited Quantity

Transportation of Dangerous Goods (TDG - Canada)

**Basic shipping requirements:** 

**UN number** UN1805

Proper shipping name PHOSPHORIC ACID SOLUTION

**Hazard class** 

8

Subsidiary hazard class Limited Quantity - Canada Packing group

Packaging exceptions <5L - Limited Quantity

DOT



**TDG** 



## 15. Regulatory information

Canadian federal regulations

This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

Export Control List (CEPA 1999, Schedule 3)

Not listed.

**Greenhouse Gases** 

Not listed.

**Precursor Control Regulations** 

Not regulated.

WHMIS 2015 Exemptions Not applicable

**US Federal regulations**This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Phosphoric acid (CAS 7664-38-2) Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely

hazardous substance

No

Yes

SARA 311/312 Hazardous

chemical

Skin corrosion or irritation

categories Serious eye damage or eye irritation

SARA 313 (TRI reporting)

Classified hazard

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Clean Water Act (CWA) Section 112(r) (40 CFR Hazardous substance

68.130)

US state regulations See below

US - California Hazardous Substances (Director's): Listed substance

Phosphoric acid (CAS 7664-38-2) Listed.

**US - Illinois Chemical Safety Act: Listed substance** 

Phosphoric acid (CAS 7664-38-2)

US - Louisiana Spill Reporting: Listed substance

Phosphoric acid (CAS 7664-38-2) Listed.

US - Minnesota Haz Subs: Listed substance

Phosphoric acid (CAS 7664-38-2) Listed.

**US - Texas Effects Screening Levels: Listed substance** 

Phosphoric acid (CAS 7664-38-2) Listed.

**US. Massachusetts RTK - Substance List** 

Phosphoric acid (CAS 7664-38-2)

US. New Jersey Worker and Community Right-to-Know Act

Phosphoric acid (CAS 7664-38-2)

US. Pennsylvania Worker and Community Right-to-Know Law

Phosphoric acid (CAS 7664-38-2)

**US. Rhode Island RTK** 

Phosphoric acid (CAS 7664-38-2)

#### **US. California Proposition 65**

This product is not subject to warning labeling under the California Proposition 65 regulation.

### Inventory status

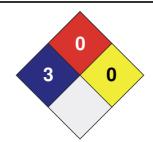
Country(s) or region	Inventory name O	n inventory (yes/no)*
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

<sup>\*</sup>A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

#### 16. Other information







Disclaimer

The information in the safety data sheet was written by Dell Tech Laboratories Ltd. (www.delltech.com) based on the best knowledge and experience currently available. Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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**Further information** For an updated SDS, please contact the supplier/manufacturer listed on the first page of the

document.

Other information For an updated SDS, please contact the supplier/manufacturer listed on the first page of the

document.

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