

# Aquatrol 330

## SECTION 1. IDENTIFICATION

|   |   |
|---|---|
| <b>Product Identifier</b>               | Aquatrol 330  |
| <b>Other Means of Identification</b>    | Boiler Water Sludge Conditioner   |
| <b>Recommended Use</b>                  | Boiler Water Treatment.   |
| <b>Restrictions on Use</b>              | None known.   |
| <b>Manufacturer/Supplier Identifier</b> | Alliance Water Group Inc., 1 Yonge Street, Suite 1801, Toronto, ON, MSE 1W7, 416-306-2480 |
| <b>Emergency Phone No.</b>              | CANUTEC, 613-996-6666, 24 Hour Emergency Line   |
| <b>Date of Preparation</b>              | June 01, 2017   |

## SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015).

### Classification

Skin irritation - Category 2; Eye irritation - Category 2

### Label Elements



Signal Word:

Warning

Hazard Statement(s):

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary Statement(s):

Prevention:

P264 Wash hands and skin thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P302 + P352 IF ON SKIN: Wash with plenty of water.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332 + P313 If skin irritation occurs: Get medical advice or attention.

P337 + P313 If eye irritation persists: Get medical advice or attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

Storage:

P402 + P404 Store in a dry place. Store in a closed container.

Disposal:

P501 Dispose of contents and container in accordance with local, regional, national and international regulations.

### Other Hazards

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Product Identifier: Aquatrol 330 - Ver. 3

Date of Preparation: June 01, 2017

Date of Last Revision: January 31, 2019

Page 01 of 07

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

| Chemical Name                                 | CAS No.   | %     | Other Identifiers | Other Names |
|---|-----------|-------|-------------------|-------------|
| Potassium hydroxide                           | 1310-58-3 | 20-30 | NDA               |             |
| Phosphoric Acid                               | 7664-38-2 | 10-20 | NDA               |             |
| Tetrasodium ethylenediaminetetraacetate       | 64-02-8   | 1-5   | EDTA              |             |
| (1-hydroxyethan-1, 1-diy)bis(phosphonic acid) | 2809-21-4 | 1-5   | HEDPA             |             |
| [Nitrilotris(methylene)]trisphosphonic acid   | 6419-19-8 | 1-5   | ATMPA             |             |

### Notes

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

## SECTION 4. FIRST-AID MEASURES

### First-aid Measures

#### Inhalation

Remove source of exposure or move to fresh air. Get medical advice or attention if you feel unwell or are concerned.

#### Skin Contact

Avoid direct contact. Wear chemical protective clothing if necessary. Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Quickly and gently blot or brush away excess chemical. Immediately rinse with lukewarm, gently flowing water for 15-20 minutes. Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes. If skin irritation occurs, get medical advice or attention. Clean clothing, shoes and leather goods.

#### Eye Contact

Avoid direct contact. Wear chemical protective gloves if necessary. Quickly and gently blot or brush chemical off the face. Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Remove contact lenses, if present and easy to do. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists, get medical advice or attention.

#### Ingestion

Rinse mouth with water. Get medical advice or attention if you feel unwell or are concerned.

#### First-aid Comments

Get medical advice or attention if you feel unwell or are concerned.

### Most Important Symptoms and Effects, Acute and Delayed

None known.

### Immediate Medical Attention and Special Treatment

#### Special Instructions

If medical advice is needed, have product container at hand. Consideration should be given to the possibility that over-exposure to materials other than this product may have occurred.

#### Medical Conditions Aggravated by Exposure

None known.

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

Product Identifier: Aquatrol 330 - Ver. 3

Date of Preparation: June 01, 2017

Date of Last Revision: January 31, 2019

Page 02 of 07

### **Suitable Extinguishing Media**

Not combustible. Use extinguishing agent suitable for surrounding fire. Use water to keep non-leaking, fire-exposed containers cool.

### **Unsuitable Extinguishing Media**

Do not use water jet.

### **Specific Hazards Arising from the Product**

Does not burn. Can ignite if strongly heated.

### **Special Protective Equipment and Precautions for Fire-fighters**

No special precautions are necessary.

Fire-fighters should enter area wearing specialized protective equipment. (Bunker Gear will not provide adequate protection.) a full-body encapsulating chemical protective suit with positive pressure SCBA may be necessary.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

### **Personal Precautions, Protective Equipment, and Emergency Procedures**

Do not touch damaged containers or spilled product unless wearing appropriate protective equipment. Use the personal protective equipment recommended in Section 8 of this safety data sheet.

### **Environmental Precautions**

It is good practice to prevent releases into the environment.

### **Methods and Materials for Containment and Cleaning Up**

Review Section 7 (Handling) of this safety data sheet before proceeding with clean-up.

Small spills or leaks: stop or reduce leak if safe to do so. Contain and soak up spill with absorbent that does not react with spilled product. Cover the spill surface with the appropriate type of foam to reduce the release of vapour. Place used absorbent into suitable, covered, labelled containers for disposal. Contaminated absorbent poses the same hazard as the spilled product.

Large spills or leaks: dike spilled product to prevent runoff. Knock down vapour with fog or fine water spray. Do not direct water at spill or source. Remove or recover liquid using pumps or vacuum equipment. Flush spill area. Dike and recover contaminated water for appropriate disposal. Get expert advice before treating the spilled product with other chemicals to make it less hazardous.

Store recovered product in suitable containers that are: tightly-covered. Review Section 13 (Disposal Considerations) of this safety data sheet. Contact emergency services and manufacturer/supplier for advice.

### **Other Information**

Report spills to local health, safety and environmental authorities, as required.

## **SECTION 7. HANDLING AND STORAGE**

### **Precautions for Safe Handling**

Do not get in eyes, on skin or on clothing. Only use where there is adequate ventilation. Avoid generating vapours or mists. Prevent accidental contact with incompatible chemicals. Wear personal protective equipment to avoid direct contact with this chemical.

General hygiene considerations: thoroughly clean clothing, shoes and leather goods before reuse or dispose of safely. Properly dispose of any contaminated items, including shoes, that cannot be decontaminated. DO NOT re-use. See Section 13 (Disposal Considerations) of this safety data sheet.

### **Conditions for Safe Storage**

Store in an area that is: well-ventilated, separate from incompatible materials (see Section 10: Stability and Reactivity). Empty containers may contain hazardous residue. Store separately. Keep closed. Follow all precautions given on this safety data sheet. Comply with all applicable health and safety regulations, fire and building codes.

## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **Control Parameters**

Not available.

Consult local authorities for provincial or state exposure limits.

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Product Identifier: Aquatrol 330 - Ver. 3

Date of Preparation: June 01, 2017

Date of Last Revision: January 31, 2019

Page 03 of 07

## Appropriate Engineering Controls

General ventilation is usually adequate. For large scale use of this product: use local exhaust ventilation, if general ventilation is not adequate to control amount in the air.

## Individual Protection Measures

### Eye/Face Protection

Wear chemical safety goggles and face shield when contact is possible.

### Skin Protection

In case of an emergency (e.g. an uncontrolled release): wear a chemical splash suit and respiratory protection.

Wear chemical protective clothing e.g. gloves, aprons, boots.

Neoprene rubber, nitrile rubber, polyvinyl chloride.

### Respiratory Protection

Not usually required when working with small quantities. For non-routine or emergency situations: wear a NIOSH approved self-contained breathing apparatus (SCBA) or supplied air respirator.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

|   |  |
|---|--|
| <b>Appearance</b>                                       | Clear amber liquid.                                |
| <b>Odour</b>  | Odourless  |
| <b>Odour Threshold</b>                                  | Not available                                      |
| <b>pH</b>   | 9.0 - 10.5   |
| <b>Melting Point/Freezing Point</b>                     | Not applicable (melting); 0 °C (freezing)          |
| <b>Initial Boiling Point/Range</b>                      | 100 °C   |
| <b>Flash Point</b>                                      | Not available                                      |
| <b>Evaporation Rate</b>                                 | Not available                                      |
| <b>Flammability (solid, gas)</b>                        | Not applicable (liquid).                           |
| <b>Upper/Lower Flammability or Explosive Limit</b>      | Not available (upper); Not available (lower)       |
| <b>Vapour Pressure</b>                                  | 18 mm Hg   |
| <b>Vapour Density (air = 1)</b>                         | Not available                                      |
| <b>Relative Density (water = 1)</b>                     | 1.17 - 1.20  |
| <b>Solubility</b>                                       | Soluble in water; Not available (in other liquids) |
| <b>Partition Coefficient, n-Octanol/Water (Log Kow)</b> | Not available                                      |
| <b>Auto-ignition Temperature</b>                        | Not available                                      |
| <b>Decomposition Temperature</b>                        | Not available                                      |
| <b>Viscosity</b>  | Not available (kinematic); Not available (dynamic) |
| <b>Other Information</b>                                |  |
| <b>Physical State</b>                                   | Liquid   |

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions of use.

### Chemical Stability

Normally stable. Unstable under certain conditions - see Conditions to Avoid.

### Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

### Conditions to Avoid

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Product Identifier: Aquatrol 330 - Ver. 3  
Date of Preparation: June 01, 2017  
Date of Last Revision: January 31, 2019

Prolonged exposure to high temperatures. Open flames, sparks, static discharge, heat and other ignition sources.

#### **Incompatible Materials**

None known.

#### **Hazardous Decomposition Products**

None known.

## **SECTION 11. TOXICOLOGICAL INFORMATION**

Information presented below is for the entire product, unless otherwise specified.

#### **Likely Routes of Exposure**

Eye contact; ingestion; skin contact.

#### **Acute Toxicity**

LC50: No information was located.

LD50 (oral): No information was located.

LD50 (dermal): No information was located.

#### **Skin Corrosion/Irritation**

May cause moderate or severe irritation based on information for closely related materials.

#### **Serious Eye Damage/Irritation**

Causes serious eye irritation based on skin irritation information.

#### **STOT (Specific Target Organ Toxicity) - Single Exposure**

##### **Inhalation**

May cause nose and throat irritation.

##### **Skin Absorption**

No information was located.

##### **Ingestion**

May cause irritation of the mouth, throat and stomach. Symptoms may include nausea, vomiting, stomach cramps and diarrhea.

#### **Aspiration Hazard**

No information was located.

#### **STOT (Specific Target Organ Toxicity) - Repeated Exposure**

No information was located.

#### **Respiratory and/or Skin Sensitization**

No information was located.

#### **Carcinogenicity**

No information was located.

No information was located for: Aspiration Hazard, Respiratory and/or Skin Sensitization, Development of Offspring, Sexual Function and Fertility, Effects on or via Lactation, Germ Cell Mutagenicity, Interactive Effects

## **SECTION 12. ECOLOGICAL INFORMATION**

This section is not required by WHMIS.

#### **Ecotoxicity**

No information was located.

#### **Persistence and Degradability**

No information was located.

#### **Bioaccumulative Potential**

No information was located.

#### **Mobility in Soil**

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Product Identifier: Aquatrol 330 - Ver. 3

Date of Preparation: June 01, 2017

Date of Last Revision: January 31, 2019

No information was located.

**Other Adverse Effects**

There is no information available.

**SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal Methods**

Recommended disposal methods are for the product, as sold. (Used material may contain other hazardous contaminants). Dispose of contents and container in accordance with local, regional, national and international regulations.

**SECTION 14. TRANSPORT INFORMATION**

Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations.

**Environmental Hazards** Not applicable

**Special Precautions** Not applicable

**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

**SECTION 15. REGULATORY INFORMATION**

**Safety, Health and Environmental Regulations**

This section is not required by WHMIS.

**Canada**

**WHMIS 1988 Classification**



Class D2B

D2B - Toxic

**Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)**

All ingredients are listed on the DSL or are not required to be listed.

**USA**

**Toxic Substances Control Act (TSCA) Section 8(b)**

All ingredients are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.

**SECTION 16. OTHER INFORMATION**

**Date of Preparation** June 01, 2017

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**Key to Abbreviations** NIOSH = National Institute for Occupational Safety and Health  
OSHA = US Occupational Safety and Health Administration  
IARC = International Agency for Research on Cancer  
ACGIH® = American Conference of Governmental Industrial Hygienists  
NDA = No Data Available.

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Product Identifier: Aquatrol 330 - Ver. 3

Date of Preparation: June 01, 2017

Date of Last Revision: January 31, 2019

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Product Identifier: Aquatrol 330 - Ver. 3  
Date of Preparation: June 01, 2017  
Date of Last Revision: January 31, 2019

Page 07 of 07