

## Aquatrol 327

### SECTION 1. IDENTIFICATION

|                                         |                                                                                           |
|-----------------------------------------|-------------------------------------------------------------------------------------------|
| <b>Product Identifier</b>               | <b>Aquatrol 327</b>                                                                       |
| <b>Other Means of Identification</b>    | Sulphite + Passivator                                                                     |
| <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 23, 2017                                                                             |

### SECTION 2. HAZARD IDENTIFICATION

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

#### Classification

Acute toxicity (Oral) - Category 5; Eye irritation - Category 2B

#### Label Elements

Signal Word:

Warning

Hazard Statement(s):

H303 May be harmful if swallowed.

H320 Causes eye irritation.

Precautionary Statement(s):

Prevention:

P264 Wash hands and skin thoroughly after handling.

Response:

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

P312 Call a POISON CENTRE or doctor if you feel unwell.

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

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

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

| Chemical Name        | CAS No.   | %    | Other Identifiers |
|----------------------|-----------|------|-------------------|
| Sodium metabisulfite | 7681-57-4 | 5-25 | NDA               |
| Potassium hydroxide  | 1310-58-3 | 5-20 | NDA               |

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## Notes

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

## SECTION 4. FIRST-AID MEASURES

### First-aid Measures

#### Inhalation

Take precautions to ensure your own safety before attempting rescue (e.g. wear appropriate protective equipment). Remove source of exposure or move to fresh air. Keep at rest in a position comfortable for breathing. 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. Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes. Get medical advice or attention if you feel unwell or are concerned. 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. Rinse the contaminated eye(s) with lukewarm, gently flowing water for 5 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. Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. If vomiting occurs naturally, lie on your side in the recovery position. Rinse mouth with water again. Immediately call a Poison Centre or doctor.

#### First-aid Comments

Get medical advice or attention if you feel unwell or are concerned. Some of the first-aid procedures recommended here require advanced first-aid training.

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

None known.

### Immediate Medical Attention and Special Treatment

#### Special Instructions

Not applicable.

#### Medical Conditions Aggravated by Exposure

None known.

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

#### 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

None known.

### 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

Use the personal protective equipment recommended in Section 8 of this safety data sheet. Do not touch damaged containers or spilled product unless wearing appropriate protective equipment. Increase ventilation to area or move leaking container to a well-ventilated and secure area. Remove or isolate incompatible materials as well as other hazardous materials.

### Environmental Precautions

No special precautions are necessary. It is good practice to prevent releases into the environment.

### Methods and Materials for Containment and Cleaning Up

Cover the spill surface with the appropriate type of foam to reduce the release of vapour. Contact emergency services and manufacturer/supplier for advice. No special clean-up methods are necessary.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Prevent accidental contact with incompatible chemicals. No special handling precautions are necessary. It is good practice to: avoid breathing product; avoid skin and eye contact and wash hands after handling.

### Conditions for Safe Storage

No special requirements for storage area. Separate from incompatible materials (see Section 10: Stability and Reactivity). Protect from conditions listed in Conditions to Avoid in Section 10 (Stability and Reactivity). 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.

### 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.

#### 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 yellow liquid.                      |
| <b>Odour</b>                        | Sour                                      |
| <b>Odour Threshold</b>              | Not available                             |
| <b>pH</b>                           | 7.5                                       |
| <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                             |

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|                                                         |                                                    |
|---------------------------------------------------------|----------------------------------------------------|
| <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>                                  | 28 mm Hg                                           |
| <b>Vapour Density (air = 1)</b>                         | Not available                                      |
| <b>Relative Density (water = 1)</b>                     | 1.25 - 1.30                                        |
| <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

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

### Incompatible Materials

Strong oxidizing agents (e.g. perchloric acid), strong acids (e.g. hydrochloric acid).

### Hazardous Decomposition Products

Corrosive sulfur oxides.

## 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

| Chemical Name        | LC50          | LD50 (oral)      | LD50 (dermal) |
|----------------------|---------------|------------------|---------------|
| Sodium metabisulfite | Not available | 1131 mg/kg (rat) | Not available |
| Potassium hydroxide  | Not available | 273 mg/kg (rat)  | Not available |

LC50: No information was located.

LD50 (oral): No information was located.

LD50 (dermal): No information was located.

### Skin Corrosion/Irritation

Human experience and animal tests show moderate or severe irritation.

### Serious Eye Damage/Irritation

Human experience and animal tests show serious eye damage.

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

#### Inhalation

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No information was located.

**Skin Absorption**

No information was located.

**Ingestion**

No information was located.

**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**

No information was located.

**Other Adverse Effects**

There is no information available.

**SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal Methods**

This section is not required by WHMIS 2015. 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**

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## WHMIS 1988 Classification



Class D2B



Class E

D2B - Toxic; E - Corrosive

### 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 23, 2017

**Date of Last Revision** May 11, 2018

**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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