

Aquatech 600

SECTION 1. IDENTIFICATION

Product Identifier	Aquatech 600
Other Means of Identification	Closed Loop Inhibitor
Recommended Use	Corrosion Inhibitor.
Restrictions on Use	None known.
Manufacturer/Supplier Identifier	Alliance Water Group Inc., 1 Yonge Street, Suite 1801, Toronto, ON, MSE 1W7, 416-306-2480
Emergency Phone No.	CANUTEC, 613-996-6666, 24 Hour Emergency Line
Date of Preparation	April 03, 2017

SECTION 2. HAZARD IDENTIFICATION

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

Classification

Acute toxicity (Oral) - Category 4; Skin corrosion - Category 1; Serious eye damage - Category 1

Label Elements



Signal Word:

Danger

Hazard Statement(s):

H302 Harmful if swallowed.

H302 + H312 + H332 Harmful if swallowed, in contact with skin or if inhaled.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

Precautionary Statement(s):

Prevention:

P260 Do not breathe dusts or mists.

P264 Wash hands and skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

Response:

P301 + P312 IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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 CENTRE or doctor.

P321 Specific treatment (see supplemental first aid instruction on this label).

P330 Rinse mouth.

P363 Wash contaminated clothing before reuse.

Product Identifier: Aquatech 600

Date of Preparation: April 03, 2017

Storage:
P405 Store locked up.
Disposal:
P501 Dispose of contents and container in accordance with local, regional, national and international regulations.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers
Sodium nitrite	7632-00-0	14-28	NDA
Potassium hydroxide	1310-58-3	1-5	NDA

Notes

*The exact percentage (concentration) of composition has been withheld as 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. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by Poison Centre or doctor. Avoid mouth-to-mouth contact by using a barrier device. Call a Poison Centre or doctor if you feel unwell.

Skin Contact

Avoid direct contact. Wear chemical protective clothing if necessary. Take off immediately contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Quickly and gently blot or brush away excess chemical. Wash with plenty of water. Get medical advice or attention if you feel unwell or are concerned. Call a Poison Centre or doctor if you feel unwell. Thoroughly clean clothing, shoes and leather goods before reuse or dispose of safely.

Eye Contact

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. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. 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. Call a Poison Centre or doctor if you feel unwell.

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.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Use CO₂, dry powder or alcohol resistant foam.

Unsuitable Extinguishing Media

Water Jet.

Specific Hazards Arising from the Product

None known.

Not known to generate any hazardous decomposition products in a fire.

Product Identifier: Aquatech 600

Date of Preparation: April 03, 2017

Special Protective Equipment and Precautions for Fire-fighters

Exercise caution when fighting any chemical fire. Firefighters' protective clothing will only provide limited protection. Wear chemical protective clothing, including respiratory protection. Move containers from the area on fire if it can be done without risk.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Equip clean-up crew with proper protection. Ensure the area is well ventilated and use appropriate respiratory protection if it isn't. Evacuate unnecessary personnel. Always use appropriate personal protective equipment (PPE). Do not touch and avoid walking through spilled material. Do not touch damaged containers unless equipped with PPE. As an immediate precautionary measure, isolate spill or leak if it can be done safely. Eliminate all ignitions sources (Smoking, flares, sparks, or flames). Ventilate closed areas before entering. If outdoors, stay upwind.

Environmental Precautions

Avoid run off and prevent entry to waterways, sewers, and public waters. Dispose of waste in accordance with local, regional, national, and/or international regulations.

Methods and Materials for Containment and Cleaning Up

Clean up spill immediately and dispose of waste safely. Stop leak and isolate spill if it can be done safely. For more information on safe disposal, please refer to "Section 13: Disposal Considerations". Review Section 7 (Handling) of this safety data sheet before proceeding with clean-up.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Before use carefully read the product label. Always handle empty containers with care as they may retain residual product. Ensure ventilation is adequate when using this product. Handle in accordance with good industrial hygiene and safety procedures. Wash hands or other exposed areas thoroughly with soap and water before eating, drinking, or smoking and again when leaving work. Incompatible Chemicals:

Strong acids, strong bases, oxidizing agents, reducing agents, metals, solvents, acids, nitrogen compounds and most organic substances.

Conditions for Safe Storage

Comply with all applicable health and safety regulations, fire and building codes. Ensure containers are properly labelled and protected from physical damage when not in use. Check regularly for leaks or spills. Keep container closed when not in use. Store in a cool, dry, well-ventilated area away from combustible substances and away from heated areas, sparks and flame.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Not available.

Consult local authorities for provincial or state exposure limits.

Appropriate Engineering Controls

Use adequate ventilation to control the concentration of airborne contaminants and ensure it stays below the applicable exposure limit values. Gas detectors should be used when gases or vapours are released. Ensure all local/national regulations are met.

Individual Protection Measures

Eye/Face Protection

Use proper protective equipment. Wear safety goggles and protective gloves when handling this product. Avoid dermal exposure. In case of insufficient ventilation, or if exposure limits are exceeded or symptoms are experienced, use a NIOSH/MSHA approved respirator. Always handle product in accordance with good industrial hygiene and safety practice. Wear chemical safety goggles and face shield when contact is possible.

Skin Protection

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

Respiratory Protection

Wear a NIOSH approved self-contained breathing apparatus (SCBA) or supplied air respirator.

Product Identifier: Aquatech 600

Date of Preparation: April 03, 2017

Page 03 of 06

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Clear yellow liquid.
Odour	Not available
Odour Threshold	Not available
pH	12
Melting Point/Freezing Point	0 °C (melting); 0 °C (freezing)
Initial Boiling Point/Range	100 °C
Flash Point	Not available
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable (liquid).
Upper/Lower Flammability or Explosive Limit	Not available (upper); Not available (lower)
Vapour Pressure	18 mm Hg
Relative Density (water = 1)	1.15
Solubility	Not available in water; Not available (in other liquids)
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available (kinematic); Not available (dynamic)
Other Information	
Physical State	Liquid

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions of use.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None known.

Conditions to Avoid

Exposure to acids.

Incompatible Materials

Acids.

Hazardous Decomposition Products

None known.

SECTION 11. TOXICOLOGICAL INFORMATION

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

Likely Routes of Exposure

Ingestion.

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Potassium hydroxide	Not available	273 mg/kg (rat)	Not available

Product Identifier: Aquatech 600

Date of Preparation: April 03, 2017

Sodium nitrite	Not available	158 mg/kg (rat)	Not available
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LC50: No information was located.

Calculated Oral LD50: ~757mg/kg (Aquatech 600)

LD50 (dermal): No information was located.

Skin Corrosion/Irritation

Human experience and animal tests show skin corrosion.

Serious Eye Damage/Irritation

Human experience and animal tests show serious eye damage.

Carcinogenicity

Not known to cause cancer.

Reproductive Toxicity

Sexual Function and Fertility

Not known to cause effects on sexual function or fertility.

No information was located for: Skin Corrosion/Irritation, Serious Eye Damage/Irritation, STOT (Specific Target Organ Toxicity) - Single Exposure, Aspiration Hazard, STOT (Specific Target Organ Toxicity) - Repeated Exposure, Respiratory and/or Skin Sensitization, Carcinogenicity, Development of Offspring, Sexual Function and Fertility, Effects on or via Lactation, Germ Cell Mutagenicity, Interactive Effects

SECTION 12. ECOLOGICAL INFORMATION

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.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

This section is not required by WHMIS 2015.

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

SECTION 14. TRANSPORT INFORMATION

This section is not required by WHMIS 2015. 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

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

Product Identifier: Aquatech 600

Date of Preparation: April 03, 2017

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 April 03, 2017

Date of Last Revision April 03, 2017

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

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