



1 Identification

GHS Product Identifier

AQT 171

Other means of identification

CAS:	Mixture not listed in registry
EC:	Mixture not listed in registry
RTECS:	Mixture not listed in registry
ICSC:	Mixture
Chemical Family:	Mixture
Synonyms:	None
Proper Shipping Name:	TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S.
Chemical Formula:	Mixture

Recommended use of the chemical and restriction on use

AQT 171 is a combination broad spectrum biocide and algacide for use in cooling water systems where bacteria and biofilm are expected to be present. It provides micro-organism control and clean systems. Industrial Water Treatment. Not for food, drug or household use.

Supplier's details

AQUATRADE WATER TREATMENT CHEMICALS (PTY) LTD

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Spartan, Kempton Park
Gauteng, South Africa
1619
www.aquatradesa.co.za
sheq@aquatradesa.co.za

PO Box 357
Isando
Gauteng, South Africa
1600
Tel: +27 11 394 0752
Tel: +27 87 654 3326 (SDS Enquiries)

Emergency phone number

E le Sar: +27 82 921 0643 (Available Mon - Fri, GMT 5:00 to 20:00)
Spilltech: +27 861 000 366 (Available 24/7)

2 Hazard(s) identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Acute Toxicity, Oral (Category 4), H302
Acute Toxicity, Inhalation (Category 2), H331
Skin Corrosion/Irritation (Category 1B), H314
Serious Eye Damage/Irritation, (Category 1), H318
Respiratory Sensitisation (Category 1), H334
Skin Sensitisation (Category 1), H317
Specific Target Organ Toxicity - Single Exposure - Respiratory system, (Category 3), H335
Acute Aquatic Toxicity (Category 1), H400
Chronic Aquatic Toxicity (Category 2), H411

For the full text of the H-Statements mentioned in this Section, see Section 16.

GHS label elements

Danger



Harmful if swallowed

Causes severe skin burns and eye damage

May cause an allergic skin reaction

Causes serious eye damage

Toxic if inhaled

May cause allergy or asthma symptoms or breathing difficulties if inhaled

May cause respiratory irritation

Very toxic to aquatic life

Toxic to aquatic life with long lasting effects

Do not breathe dust/fume/gas/mist/vapours/spray.

Wash thoroughly after handling.

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

Use only outdoors or in a well-ventilated area.

Contaminated work clothing should not be allowed out of the workplace.

Avoid release to the environment.

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

Wear respiratory protection.

IF SWALLOWED: call a POISON CENTER or doctor/physician IF you feel unwell.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN: Wash with plenty of soap and water.

IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower.

IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.

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

Immediately call a POISON CENTER or doctor/physician.

Specific treatment (see P330+P351+P352+P353 on this label).

Rinse mouth.

If skin irritation or rash occurs: Get medical advice/attention.

IF experiencing respiratory symptoms: call a POISON CENTER or doctor/physician.

Take off contaminated clothing and wash it before reuse.

Collect spillage.

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

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

Other hazards which do not result in classification

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

3 Composition/information on ingredients

Description	CAS Number	EINECS Number	%	Note
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4 First-aid measures

Description of necessary first-aid measures

General Advice

Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

Eye Contact

In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Skin Contact

Wash off immediately with plenty of water for at least 15 minutes. Immediate medical attention is required.

Inhalation

If not breathing, give artificial respiration. **DO NOT** use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Move to fresh air. Immediate medical attention is required.

Ingestion

DO NOT induce vomiting. Call a physician or Poison Control Center immediately.

Most important symptoms/effects, acute and delayed

Causes burns by all exposure routes. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause allergic skin reaction.

Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation: Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain or flushing: Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated.

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

Treat symptomatically.

5 Fire-fighting measures

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media:

No information available.

Flash Point No information available.

Method Closed cup.

Autoignition Temperature 395°C / 743°F

Explosion Limits

Upper No data available.

Lower No data available.

Sensitivity to Mechanical Impact No information available.

Sensitivity to Static Discharge No information available.

Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating gases and vapors. The product causes burns of eyes, skin and mucous membranes. **DO NOT** allow run-off from fire fighting to enter drains or water courses. Carbon monoxide (CO) Carbon dioxide (CO₂).

Special protective actions for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Environmental precautions

DO NOT flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up

Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

7 Handling and storage

Precautions for safe handling

Wear personal protective equipment. **DO NOT** get in eyes, on skin, or on clothing. Use only under a chemical fume hood. **DO NOT** breathe vapors or spray mist. **DO NOT** ingest.

Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Corrosives area. Keep at temperatures below 25°C.

DO NOT store this material in containers made of the following: Steel. **DO NOT** store this material near food, feed or drinking water.

CONTAINERS MAY BE HAZARDOUS WHEN EMPTY. Since emptied containers retain product residue follow all SDS and label warnings even after container is emptied. Storage temperature: 1°C - 55°C.

SANS 10263-0 Warehousing

8.4.3.2 Where flammable or **corrosive** substances are stored, the floor shall slope away from the storage area (primary collection area) to a secondary catch basin or sump of capacity at least 10 % of the total available storage volume of the fire section concerned. The secondary catch basin shall be within the fire section, and shall be such that it can be well ventilated. Care shall be taken in the design of such areas to prevent contamination of the soil or ground water.

9.7.2 Every type of storage area inside a warehouse shall be clearly demarcated, for example separate storage areas for **poisons**, flammables and **corrosives** shall display the relevant hazard class diamond (see table 1). The dimensions of the hazard class diamonds shall be at least 250 mm x 250 mm.

12.8.5 Storage of flammable liquids of class 3, **toxic** substances of division 6.1 and **corrosives** of class 8

Nitro-methane class 3, UN No. 1261, shall be separated from substances of class 6.1, and cyanides of division 6.1 shall be separated from acids of class 8. Concentrated acids and bases shall be segregated by at least 1 m. Packaged flammable liquids of class 3, **toxic** substances of division 6.1 and **corrosives** of class 8 that are of category 3 can be stored in the same area, provided that

- a) they are kept above floor level, and
- b) liquid dangerous goods of one class are not stored above dangerous goods of another class.

12.8.8.3 Toxic and infectious substances (see class 6 in SANS 10228) can contaminate firefighting water in the event of a fire, therefore:

- a) **Toxic** and infectious substances shall be separated from other flammable products and aerosols.
- b) **Toxic** and infectious substances shall be segregated from oxidizing substances, organic peroxides and **corrosives**.
- c) Flammable **toxic** and infectious substances shall be segregated from non-flammable **toxic** and infectious substances.

12.8.8.4 Corrosives (see class 8 in SANS 10228) that leak or spill from their packaging can cause serious damage to other packages, with potentially hazardous consequences.

Corrosives shall be segregated from **toxic** substances, infectious substances, aerosols, flammables, oxidizing substances and organic peroxides.

The provisions of above apply to the storage of the following quantities of dangerous goods.

Toxic and infectious substances	
Class 6.1	
Category 1	> 5 kg
Category 2	> 50 kg
Category 3	> 500 kg
Class 6.2	
All quantities	
Corrosives (acids and bases) Class 8	
Category 1	> 50 kg
Category 2	> 200 kg
Category 3	> 1 000 kg

Special Provisions SANS 10263-0

E.2.6.1 Toxic substances of division 6.1 shall not be stored together with foodstuffs or stock feeds.

8 Exposure controls/personal protection

Control parameters

Component	ACGIH TLV	OSHA PEL	NIOSH IDLH	Mexico OEL (TWA)
Glutaraldehyde	Ceiling: 0.05 ppm	(Vacated) Ceiling: 0.2 ppm	Ceiling: 0.2 ppm	Ceiling: 0.2 ppm
		(Vacated) Ceiling: 0.8 mg/m ³	Ceiling: 0.8 mg/m ³	Ceiling: 0.7 mg/m ³

Legend

- ACGIH American Conference of Governmental Industrial Hygienists
- OSHA Occupational Safety and Health Administration
- NIOSH IDLH The National Institute for Occupational Safety and Health Immediately Dangerous to Life or Health

Material	TWA ppm	TWA mg/m ³	STEL ppm	STEL mg/m ³
Glutaraldehyde	0.1 Peak limitation	0.41 Peak limitation	-	-

Legend

- TWA Time-weighted Average
- STEL Short-term Exposure Limit

Appropriate engineering controls

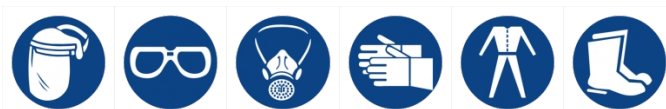
Use local exhaust ventilation with a minimum capture velocity of 0.75 m/sec. (150 ft/min.) at the point of dust or mist evolution. Refer to SANS 10400-O and/or the current edition of "Industrial Ventilation: A Manual of Recommended Practice" published by the American Conference of Governmental Industrial Hygienists for information on the design, installation, use, and maintenance of exhaust systems.

Protective measures

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Individual protection measures

The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.



Eye/face protection:

Face shield and safety glasses or safety goggles. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Contact lenses should not be worn; they may contribute to severe eye injury.

Skin protection:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0,11 mm

Break through time: 480 min

Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0,11 mm

Break through time: 480 min

Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection:

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection:

Where risk assessment shows air-purifying respirators are appropriate use a EN 136 Class 2 Full Face respirator mask with EN 14387 Type A Class 2 cartridges as a backup to engineering controls. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9 Physical and chemical properties

Physical and chemical properties

Appearance (physical state, colour etc):	Clear colourless to yellow liquid
Odour:	Pungent
Odour threshold:	No test data available
pH:	3 - 6
Melting/Freezing Point:	-33°C / -27.4°F
Initial boiling point and boiling range:	101.5°C / 214.7°F @ 740 mmHg
Flash point:	No test data available
Evaporation rate:	0.93 (Butyl Acetate = 1.0)
Flammability (solid, gas):	Not applicable
Upper/lower flammability or explosive limits:	No test data available
Vapour pressure:	15 mmHg @ 20°C
Vapour density:	1.05
Relative density:	1.04 - 1.07
Solubility(ies):	Miscible in water
Partition coefficient: n-octanol/water:	No test data available

Auto-ignition temperature:	395°C / 743°F
Decomposition temperature:	110°C
Viscosity:	20 mPa.s (50°C)

NOTE: The physical data presented above are typical values and should not be construed as a specification.

10 Stability and reactivity

Reactivity

None known, based on information available.

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

None under normal processing. Hazardous polymerization does not occur.

Conditions to avoid

Incompatible products. Excess heat. Temperatures above 50 °C.

Incompatible materials

Strong oxidizing agents, Strong acids, Strong bases, Alcohols, Amines.

Hazardous decomposition products

Carbon monoxide (CO), Carbon dioxide (CO₂).

11 Toxicological information

Toxicological (health) effects

Corrosion/Irritation

Skin	Adverse effect observed (corrosive)
Eye	Adverse effect observed (corrosive)
Inhalation	Adverse effect observed (corrosive)
Ingestion	Adverse effect observed (corrosive)

Skin sensitisation

May cause sensitization by inhalation and skin contact.

Respiratory sensitisation

No information available.

Repeated dose toxicity

No information available.

Genetic toxicity

No information available.

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen.

<u>Component</u>	<u>CAS-No</u>	<u>IARC</u>	<u>NTP</u>	<u>ACGIH</u>	<u>OSHA</u>	<u>Mexico</u>
Glutaraldehyde	111-30-8	Not listed	Not listed	Not listed	Not listed	Not listed

Reproductive toxicity

No information available.

Specific target organ toxicity - single exposure

None known.

Specific target organ toxicity - repeated exposure

None known.

Teratogenicity

No information available.

Aspiration hazard

No information available.

Information on the likely routes of exposure

Skin and eye contact - YES (Vapours/Mist)

Inhalation - YES (Vapours/Mist)

Ingestion - YES (Unhygienic practices)

Symptoms related to the physical, chemical and toxicological characteristics

Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation: Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, light headedness, chest pain, muscle pain or flushing. Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated.

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

Refer "Symptoms related to the physical, chemical and toxicological characteristics" above.

Numerical measures of toxicity (such as acute toxicity estimates)

Acute toxicity		Category
LD ₅₀ Oral Rat	616 - 984 mg/kg	4
LD ₅₀ Dermal Rabbit	> 5 000 mg/kg	Not classifiable
LC ₅₀ Inhalation Rat	1.12 - 1.56 mg/L	2

Interactive effects

No additional data available.

Where specific chemical data are not available

No additional data available.

Mixtures

No additional data available.

Mixture versus ingredient information

No additional data available.

Other information

None.

12 Ecological information**Toxicity****Data for Component****Glutaraldehyde CAS: 111-30-8****Predicted No-Effect Concentration (PNEC)****Hazard for Aquatic Organisms**

Freshwater	2.5 µg/L
Intermittent releases (freshwater)	6 µg/L
Marine water	250 ng/L
Intermittent releases (marine water)	-

Sewage treatment plant (STP)	800 µg/L
Sediment (freshwater)	91 µg/kg sediment dw
Sediment (marine water)	9 µg/kg sediment dw
Hazard for Air	
Air	No hazard identified
Hazard for Terrestrial Organisms	
Soil	180 µg/kg soil dw
Hazard for Predators	
Secondary poisoning	No potential for bioaccumulation

Short-term toxicity to fish

LC₅₀ (4 days) 800 - 39 000 µg/L

Short-term toxicity to aquatic invertebrates

EC₅₀ (48 h) 2.1 - 29.73 mg/L

LC₅₀ (4 days) 5.5 mg/L

LC₅₀ (48 h) 3 - 5.8 mg/L

Toxicity to aquatic algae and cyanobacteria

EC₅₀ (72 h) 375 - 1 200 µg/L

NOEC (72 h) 25 - 50 µg/L

Toxicity to microorganisms

EC₅₀ (30 min) 80 mg/L

Toxicity to terrestrial plants

EC₅₀ (19 days) 944 - 1 000 mg/kg soil dw

EC₂₅ (19 days) 450 - 1 000 mg/kg soil dw

Toxicity to soil microorganisms

EC₁₀ (28 days) 1.5 - 23 mg/kg soil dw

EC₅₀ (28 days) 360 - 1 186 mg/kg soil dw

Long-term toxicity to fish

NOEC (3.233 months) 1.6 - 3.2 mg/L

LOEC (3.233 months) 5 - 10 mg/L

Long-term toxicity to aquatic invertebrates

NOEC (21 days) 5 - 10 mg/L

Persistence and degradability

Data for Component

Glutaraldehyde CAS: 111-30-8

Phototransformation in air

Dissipation half life (DT₅₀) 8.2 h

Phototransformation in water

Dissipation half life (DT₅₀) 18 - 49 days

Biodegradation in water - screening tests

Readily biodegradable (100%)

Henry's law constant (H)

0.011 Pa m³/mol @ 25°C

Bioaccumulative potential

No potential for bioaccumulation.

Mobility in soil

Data for Component

Glutaraldehyde CAS: 111-30-8

Distribution modelling

Air	36.7%
Water	63.3%
Soil	0%
Sediment	0%

Other adverse effects

No additional information available.

13 Disposal considerations

Disposal methods

Waste disposal recommendations

Dispose of waste and container in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals. Recycle/reuse. Remove for physico-chemical/biological treatment. Do not discharge into drains or the environment.

Ecology - waste materials

DO NOT release to the environment.

Empty Container

DO NOT reuse container. Rinse/Decontaminate thoroughly before discarding in trash or return to supplier.

14 Transport information

UN Number

UN2927 Class 6.1(8) PG II Exempt 5 F: 200

UN Proper Shipping Name

TOXIC LIQUID, CORROSIVE, ORGANIC, N.O.S.

Transport hazard class(es)

6.1(8)



Packing group, if applicable

II Exempt Quantity 5Kg Factor 200

Environmental hazards

Acute Aquatic Toxicity (Category 1) and Chronic Aquatic Toxicity (Category 2). **DO NOT** discharge or allow product to enter the environment. Keep clear of open water sources.

Special precautions for user

DO NOT load with Classes 1 and 2.3.

Cyanides **must not** be transported with acid.

May be loaded with Classes 2.1, 2.2, 5.2, 6.1 and 6.2 if kept at least 1 metre apart.

Concentrated acids and bases **must be** kept at least 1 metre apart.

Can be loaded with all other classes.

Goods of different classes **must be** segregated by an air space of at least 100mm or by an approved segregation device or non-dangerous goods.

P, B, L and O provisions as per SANS 10231:2006

L13

If any substance has leaked and spilt in a vehicle or container, the vehicle or container may not be re-used until after it has been thoroughly cleaned and, if necessary, disinfected or decontaminated. Any other goods and articles carried in the same vehicle or container shall be examined for possible contamination.

L28

Packages shall not be loaded together with packages known to contain foodstuffs, other articles of consumption or animal feeds.

O9

During the carriage of these substances, stops for service requirements shall be as far as possible from inhabited or frequented places. A longer stop near such places is permissible only with the consent of the local emergency services.

O19

The provisions in 5.3.4 concerning the supervision of vehicles shall apply when the total mass of these substances in the vehicle exceeds 5 000 kg.

5.3.4

A vehicle that carries dangerous goods shall be under constant supervision while stopped or parked if one or both of the following applies:

- a) the dangerous goods carried have an exempt quantity of 10 kg or 10 L, or less; or
- b) any one or more of special provisions O14 to O20 (inclusive) in C.5 applies.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

15 Regulatory information

Safety, health and environmental regulations specific for the product in question

SA NATIONAL LEGISLATION

Hazardous Substances Act 15 of 1973 and Regulations.
Occupational Health and Safety Act 85 of 1993 and Regulations.

SA NATIONAL STANDARDS

SANS 10228 : 2006 : Identification and Classification of Dangerous Goods for Transport by Road and Rail.
SANS 10231 : 2018 : Transport of dangerous goods - Operational requirements for road vehicles.
SANS 10234 : 2008 : Globally Harmonized System of classification and labelling of chemicals (GHS).
SANS 11014 : 2010 : Safety Data Sheets for chemical Products.

REACH Regulation (EC) No 1907/2006

This product contains only components that have been either pre-registered, registered, are exempt from registration, are regarded as registered or are not subject to registration according to Regulation (EC) No. 1907/2006 (REACH)., The aforementioned indications of the REACH registration status are provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. It is the buyer’s/user’s responsibility to ensure that his/her understanding of the regulatory status of this product is correct.

Seveso III: Directive 2012/18/EU

Listed in Regulation: Not applicable

International Inventories

Component	TSCA	DSL	NDSL	EINECS	ELINCS	NLP	PICCS	ENCS	AICS	IECSC	KECL
Glutaraldehyde	X	X	-	203-856-5	-	-	X	X	X	X	X

Legend:

X - Listed

E - Indicates a substance that is the subject of a Section 5(e) Consent order under TSCA.

F - Indicates a substance that is the subject of a Section 5(f) Rule under TSCA.

N - Indicates a polymeric substance containing no free-radical initiator in its inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used.

P - Indicates a commenced PMN substance

R - Indicates a substance that is the subject of a Section 6 risk management rule under TSCA.

S - Indicates a substance that is identified in a proposed or final Significant New Use Rule

T - Indicates a substance that is the subject of a Section 4 test rule under TSCA.

XU - Indicates a substance exempt from reporting under the Inventory Update Rule, i.e. Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(B)).

Y1 - Indicates an exempt polymer that has a number-average molecular weight of 1,000 or greater.

Y2 - Indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.

U.S. Federal Regulations

TSCA 12(b)	Not applicable
SARA 313	Not applicable
SARA 311/312	
Hazard Categories	
Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No
CWA (Clean Water Act)	Not applicable
Clean Air Act	Not applicable
OSHA Occupational Safety and Health Administration	Not applicable
CERCLA	Not applicable
California Proposition 65	This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Glutaraldehyde	X	X	X	-	X

U.S. Department of Transportation

Reportable Quantity (RQ):	N
DOT Marine Pollutant	N
DOT Severe Marine Pollutant	N

U.S. Department of Homeland Security

This product does not contain any DHS chemicals.

Other International Regulations

Mexico - Grade No information available

Chemical safety assessment

Not assessed.

16 Other information

Other information

Full text of H & P - Statements referred to under section 2

Hazard statements

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P284 Wear respiratory protection.
P301+P312 IF SWALLOWED: call a POISON CENTER or doctor/physician IF you feel unwell.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower.
P304+P340 IF INHALED: Remove victim to fresh air and Keep at rest in a position 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 CENTER or doctor/physician.
P321 Specific treatment (see P330+P351+P352+P353 on this label).
P330 Rinse mouth.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P342+P311 IF experiencing respiratory symptoms: call a POISON CENTER or doctor/physician.
P362+P364 Take off contaminated clothing and wash it before reuse.
P391 Collect spillage.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents and container in accordance with local, regional, national, international regulations.

Labelling REGULATION (EC) No 1272/2008

Signal Word

Danger

Pictograms Hazard to Human

GHS05 Corrosive Hazard
GHS06 Acute Toxicity
GHS08 Serious Health Hazard
GHS09 Hazardous to the environment

Pictogram Hazard during Transport

Class 6.1 Toxic substance
Class 8 Corrosive substance

Training advice

Provide adequate information, instruction and training for operators.

Compiled by Aquatrade Water Treatment Chemicals (Pty) Ltd, R. van Rooyen, SHEQ Co-ordinator and E. Le Sar, Director

MANUFACTURER/SUPPLIER DISCLAIMER:

IMPORTANT: This information is given without a warranty or guarantee. No suggestions for use are intended or shall be construed as a recommendation to infringe any existing patents or violate any national or local laws. Safe handling and use is the responsibility of the customer. Read the label before using this product. This information is true and accurate to the best of our knowledge.

Revision History

Revision:	Date:	Change:
		Preparation of the safety data sheet according to Regulation (EC) No

1.0	2018/08/28	1907/2006 of the European Parliament and of the Council
2.0	2019/03/29	Change section 1 & 14. Transport UN number.