SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

GHS PRODUCT IDENTIFIER

AQT 991

OTHER MEANS OF IDENTIFICATION

CAS:	Not listed in registry
EC:	Not listed in registry
RTECS:	Not listed in registry
ICSC:	Not listed in registry
GESTIS DATABASE:	Not listed in registry
CHEMICAL FAMILY:	Not determined
SYNONYMS:	None
PROPER SHIPPING NAME:	**NOT REGULATED FOR TRANSPORT**
CHEMICAL FORMULA:	Not determined
PRODUCT STOCK CODE/S:	AQT991A(25Kg)
SDS LINK:	http://aquatradesa.ddns.net/owncloud/index.php/s/8gWt4hTezkAn7X2

RECOMMENDED USE	RESTRICTIONS ON USE
Silicone based antifoam.	Not for end user consumption. Not for food, drug, medical or household use.

SUPPLIER'S DETAILS

AQUATRADE WATER TREATMENT CHEMICALS (PTY) LTD

22 Grader Rd, Spartan
Gauteng, South Africa

PO Box 357
Isando, 1600

Tel: +27 11 394 0752

info@aquatradesa.co.za

www.aquatradesa.co.za

SDS Enquiries only

admin@aquatradesa.co.za Tel: +27 11 394 8762

EMERGENCY PHONE NUMBER		
NAME	**TEL**	**HOURS AVAILABLE**
SPECIALIST		
S. Biondi	+27 68 237 2033	Mon. – Fri. 05:00 –20:00 GMT
H. van Niekerk	+27 82 410 5540	Mon. – Fri. 05:00 –20:00 GMT
Spilltech	+27 86 100 0366	24/7
OPERATOR		
SHEQ Coordinator	+27 76 590 9559 +27 87 654 3326	24/7 Mon. – Fri. 06:00 –18:00 GMT

SECTION 2 — HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

None under normal use.

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

GHS SIGNAL WORD

None

GHS HAZARD CODES

None.

GHS PRECAUTIONARY CODES

Prevention: Avoid breathing vapours/ spray. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves.

Response: IF ON SKIN: Wash with plenty of water. Call a first aider if you feel unwell.
Storage: Store in accordance with local regulations.
Disposal: Dispose of contents/ container to an approved waste disposal plant.

GHS LABEL ELEMENTS

None.

OTHER HAZARDS WHICH DO NOT RESULT IN CLASSIFICATION

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

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE	CAS	EC	MIN %	MAX %	HAZARD NOTES
Aqueous emulsion of Polydimethylsiloxane, treated silica and emulsifier.	Not listed	Not listed	-	50	None.

SECTION 4 — FIRST-AID MEASURES

DESCRIPTION OF NECESSARY FIRST AID MEASURES

IF INHALED	Move to fresh air. If symptoms persist, call a physician.
IF IN CONTACT WITH EYES	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes
IF IN CONTACT WITH SKIN	Wash off with soap and water.
IF INGESTED	Do not induce vomiting. Drink 1 or 2 glasses of water. Consult a physician if necessary.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE and DELAYED

Experience has shown that the above-mentioned product can be used without any danger to health, as long as the usual conditions of industrial hygiene are observed**.**

INDICATION OF IMMEDIATE MEDICAL ATTENTION & SPECIAL TREATMENT NEEDED, IF NECESSARY

Notes to physician: Treatment is symptomatic and supportive.

SECTION 5 — FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA	Use an extinguishing agent suitable for the surrounding fire.
EXTINGUISHING MEDIA NOT SUITABLE	None indicated.
SPECIFIC HAZARDS ARISING FROM THE CHEMICAL	Not combustible.
SPECIAL PROTECTIVE ACTIONS FOR FIRE-FIGHTERS incl. PPE	**Special Protective Actions for fire fighters**: No special precautions required.

	Special Protective Equipment for fire fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PPE & EMERGENCY PROCEDURES	Personal protection: particulate filter respirator adapted to the airborne concentration of the substance.
ENVIRONMENTAL PRECAUTIONS	Do not flush into surface water or sanitary sewer system.
METHODS & MATERIALS FOR CONTAIMENT & CLEANING UP	**Clean-up Methods**: Soak up with inert absorbent material (e.g., sand, silica gel, acid binder, universal binder, sawdust). Shovel into suitable container for disposal. **Disposal Methods**: Recycle any unused portion of the material for its approved use or return it to the manufacturer or supplier. Ultimate disposal of the chemical must consider: the material's impact on air quality; potential migration in air, soil, or water; effects on animal, aquatic, and plant life; and conformance with environmental and public health regulations. If it is possible or reasonable use an alternative chemical product with less inherent propensity for occupational harm/injury/toxicity or environmental contamination.

SECTION 7 — HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING	Ensure adequate ventilation. Keep away from Incompatible products.
CONDITIONS FOR SAFE STORAGE	Keep container tightly closed in a dry and well-ventilated place. Do not allow product temperatures to go below a temperature of 0°C.
INCOMPATIBILTIES	None indicated.
SANS 10263-0 WAREHOUSING	None
HYGIENE MEASURES	Ensure adequate ventilation, especially in confined areas. When using do not eat, drink, or smoke. Wash hands before breaks and at the end of workday. Handle in accordance with good industrial hygiene and safety practice.

SECTION 8 — EXPOSURE CONTROLS AND PERSONAL PROTECTION

CONTROL PARAMETERS

OCCUPATIONAL EXPOSURE LIMITS (OEL)	No exposure limit value indicated.
ADDITIONAL EXPOSURE LIMITS UNDER THE CONDITIONS OF USE	No exposure limit value indicated.
DNEL/DMEL AND PNEC-VALUES	No exposure limit value indicated**.**

APPROPIATE ENGINEERING CONTROLS

Provide appropriate exhaust ventilation at places where dust is formed. Apply technical measures to comply with the occupational exposure limits. Eye wash facility should be provided in storage and general work area.

INDIVIDUAL PROTECTION MEASURES

EYE PROTECTION		Safety glasses with side-shields or safety goggles Use equipment for eye protection tested and approved under appropriate government standards such as SANS 50166:2018. Contact lenses should not be worn as they may contribute to severe eye injury.
FACE PROTECTION		If the face is at risk a protective shield must also be worn tested and approved under appropriate government standards such as SANS 1400:2010.
HAND PROTECTION		Use protective gloves. The glove material must be sufficiently impermeable and resistant to the substance. Check the tightness before wear. Gloves should be well cleaned before being removed, then stored in a well-ventilated location. Pay attention to skin care. Skin protection cremes do not protect sufficiently against the substance. Textile or leather gloves are completely unsuitable. Currently there is no information available regarding suitable glove materials. Ask the manufacturer for suitable materials. Suggested material: Neoprene, Nitrile, Rubber or PVC Gloves If used in solution, or mixed with other substances, and under conditions which differ from SANS 416:2021 or SANS 1228:2012, contact the supplier of the CE approved gloves.
BODY PROTECTION		Complete suit protecting against chemicals tested and approved under appropriate government standards such as SANS 54325:2019. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. For entry into a situation where the spilled material and its characteristics are unknown a totally encapsulated chemical suit should be worn.
RESPIRATORY PROTECTION		Where risk assessment shows air-purifying respirators are appropriate use an elastomeric half-face particle respirator with type ABEK1P3, SANS 50141:2003 combination respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use an elastomeric full-face respirator. Use respirators and components tested and approved under appropriate government standards such as SANS 50136:1998, SANS 50137:2011, SANS 50140:1998. Consult the respirator manufacturer to determine the appropriate type of equipment for a given application. Observe respirator use limitations specified by the manufacture.

NOTE: 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. Recommendations above 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.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE (PHYSICAL STATE, COLOUR ETC):	White Suspension
ODOUR:	Feint Sweet Acetic
ODOUR THRESHOLD:	No test data available
pH:	3 - 6
MELTING/FREEZING POINT:	No test data available
INITIAL BOILING POINT AND BOILING RANGE:	No test data available
FLASH POINT:	Do not flash
EVAPORATION RATE:	Not applicable
FLAMMABILITY (SOLID, GAS):	Not flammable
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:	Not explosive
VAPOUR PRESSURE:	No test data available
RELATIVE DENSITY:	0.97 – 0.99
SOLUBILITY(IES):	Miscible in Water
PARTITION COEFFICIENT: N-OCTANOL/WATER:	Not relevant
AUTO-IGNITION TEMPERATURE:	Will not occur
DECOMPOSITION TEMPERATURE:	No test data available
VISCOSITY:	No test data available
OXIDIZING PROPERTIES:	Non-Oxidizing

NOTE: The physical data presented above are typical values and should not be construed as a specification. Always consult the Technical Data Sheet for precise values.

SECTION 10 — STABILITY AND REACTIVITY

REACTIVITY	No test data available. None expected.
CHEMICAL STABILTY	The product is stable.
POSSIBILTY of HAZARDOUS REACTIONS	Under normal conditions of storage and use, hazardous reactions will not occur.
CONDITIONS TO AVOID	No test data available.
INCOMPATIBLE MATERIALS	None if used as recommended.
HAZARDOUS DECOMPOSITION PRODUCTS	No test data available.

SECTION 11 — TOXICOLOGICAL INFORMATION

TOXICOLOGICAL (HEALTH) EFFECTS

ACUTE TOXICITY	Based on available data, the classification criteria are not met,
SKIN CORROSION/IRRITATION	Based on available data, the classification criteria are not met.
SERIOUS EYE DAMAGE/EYE IRRITATION	Based on available data, the classification criteria are not met.
RESPIRATORY OR SKIN SENSITIZATION	Based on available data, the classification criteria are not met.
GERM CELL MUTAGENICITY	Based on available data, the classification criteria are not met.
CARCINOGENICITY	Based on available data, the classification criteria are not met.
REPRODUCTIVE TOXICITY	Based on available data, the classification criteria are not met.
SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE	Based on available data, the classification criteria are not met.
SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE	Based on available data, the classification criteria are not met.

ASPIRATION HAZARD	Based on available data, the classification criteria are not met.

LIKELY SOURCES OF EXPOSURE

INHALATION	EYES	SKIN	INGESTION
Unlikely	Likely	Likely	Rare
Exposure during mixing and decanting.	Exposure during mixing and decanting.	Exposure during mixing and decanting.	Unhygienic practices.

SYMPTOMS RELATED TO PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS

Experience has shown that the above-mentioned product can be used without any danger to health, as long as the usual conditions of industrial hygiene are observed.

DELAYED/IMMEDIATE/CHRONIC EFFECTS FROM LONG/SHORT TERM EXPOSURE

No additional data available.

NUMERICAL MEASURES OF TOXICITY (SUCH AS ATE)

No additional data available.

INTERACTIVE EFFECTS

No additional data available.

WHERE SPECIFIC CHEMICAL DATA IS NOT AVAILABLE

No additional data available.

MIXTURES

No additional data available.

MIXTURES VS INGREDIENTS INFORMATION

No additional data available.

OTHER INFORMATION

No additional data available.

SECTION 12 — ECOLOGICAL INFORMATION

TOXICITY

Eco-toxicological data for this product is not available.

PERSISTANCE AND DEGRADEBILITY

No additional data available.

BIOACCUMULATIVE POTENTIAL

No additional data available.

MOBILITY IN SOIL

No additional data available.

OTHER ADVERSE EFFECTS

No additional data available.

SECTION 13 — DISPOSAL CONSIDERATIONS

WASTE DISPOSAL RECOMMENDATION

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 MATERIAL

DO NOT release to the environment.

EMPTY CONTAINER

Where possible recycling is preferred to disposal or incineration. Clean container with water. Dispose of rinse water in accordance with local and national regulations. Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities.

SECTION 14 — TRANSPORT INFORMATION

TRANSPORTATION CLASSIFICATION	ADR/RID	ADN(R)	IMDG	ICAO/IATA
UN NUMBER	Not Regulated			

SECTION 15 — REGULATORY INFORMATION

SA NATIONAL LEGISLATION

Hazardous Substances Act 15 of 1973 and Regulations.
Occupational Health and Safety Act 85 of 1993 and Regulations.
National Environmental Management Act 107 of 1998 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.

Chemical safety assessment

Not assessed.

SECTION 16 — OTHER INFORMATION

FULL TEXT OF H & P - STATEMENTS REFERRED TO UNDER SECTION 2

HAZARD STATEMENTS	PRECAUTIONARY STATEMENTS
None.	**Prevention**: Avoid breathing vapours/ spray. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves. **Response**: IF ON SKIN: Wash with plenty of water. Call a first aider if you feel unwell. **Storage**: Store in accordance with local regulations. **Disposal**: Dispose of contents/ container to an approved waste disposal plant.

LABELLING SANS 10234:2008
SIGNAL WORD: NONE

PICTOGRAMS

PHYSICAL & HEALTH HAZARD	ENVIRONMENTAL HAZARD	TRANSPORT
N/A	N/A	N/A

LEGEND TO ABBREVIATIONS & ACRONYMS

ABEK: Organic gases and vapours (BP>65ºC); Inorganic gases and vapours; Sulphur dioxide and other acid gases and vapours; Ammonia and organic ammonia derivatives
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
BCF: Bioconcentration Factor
BOD5: Biological Oxygen Demand in 5
CAS: Chemical Abstracts Service
CEN: European Committee for Standardization
COD: Chemical Oxygen Demand
DMEL: Derived Minimal Effect Level
DNEL: Derived No Effect Level
EC: European Commission
EC50: Half Maximal Effective Concentration
EMS: Emergency Medical Services
ERG: Emergency Response Guidelines
EU: European Union
GHS: Globally Harmonized System
IARC: International Agency for Research on Cancer
IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
ICSC: International Chemical Safety Cards
IMDG: International Maritime Dangerous Goods
LC50: Lethal Concentration 50 (concentration in water having 50% chance of causing death to aquatic life)
LD50: Lethal Dose 50 (median concentration of a toxicant that will kill 50% of the test animals within a designated period)
LOG-KOW: Logarithm - Octanol - Water Partition Coefficient
NIOSH: National Institute for Occupational Safety and Health (US CDC)
NTP: National Toxicology Program
OEL: Occupational Exposure Limit
OSHA: Occupational Safety and Health Administration
P, B, L & O: Packaging, Bulk Transport, Loading Operation & Transport Operation
PBT: Persistent, Bio accumulative, and Toxic
PNEC: Predicted No-Effect Concentration
PPE: Personal Protection Equipment
RID: European Agreements Concerning the International Carriage of Dangerous Goods by Rail
RTECS: Registry of Toxic Effects of Chemical Substances
SANS: South African National Standard
vPvB: Very Persistent Very Bio Accumulative

KEY LITERATURE REFERENCES AND SOURCES

No external information sources.

TRAINING ADVICE

Ensure SDS is always available to workers. Provide adequate information, instruction, and training for operators.

COMPILED BY: Aquatrade Water Treatment Chemicals (Pty) Ltd, R. van Rooyen SHEQ Coordinator.

ISSUE DATE	VERSION NUMBER	REVISION	SUPERSEDE DATE
04 August 2023	0	0	**Original**

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