	HEALTH & SAFETY MANAGEMENT SYSTEM		Form No.	FOR041
	SHEQ AQT706		First Issue Date	2022/02/17
			Revision Date	2024/12/02
			Next Revision:	Dec-2029

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

GHS PRODUCT IDENTIFIER

AQT 706

OTHER MEANS OF IDENTIFICATION

CAS:	Mixture not listed in registry
EC:	Mixture not listed in registry
RTECS:	Mixture not listed in registry
ICSC:	Mixture not listed in registry
CHEMICAL FAMILY:	Mixture not determined
SYNONYMS:	None
PROPER SHIPPING NAME:	NOT REGULATED FOR TRANSPORT
CHEMICAL FORMULA:	Mixture not determined
PRODUCT STOCK CODE/S:	AQT706A(25Kg), INT706(200Kg)

RECOMMENDED USE	RESTRICTIONS ON USE
AQT 706 is a specially formulated solution designed to reduce scale formation in RO plants. It is also useful in other systems where iron and calcium carbonate scale need to be prevented.	Not for end user consumption. Not for food, drug, medical or household use.

SUPPLIER'S DETAILS

AQUATRADE WATER TREATMENT CHEMICALS (PTY) LTD

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Gauteng, South Africa

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SECTION 2 — HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Skin Corrosion/Irritation (Category 2)

Serious Eye Damage/Irritation (Category 2)

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

GHS LABEL ELEMENTS

GHS SIGNAL WORD

Warning

GHS HAZARD CODES

Causes skin irritation.

Causes serious eye irritation.

GHS PRECAUTIONARY CODES

Wash exposed areas thoroughly after handling.

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

IF ON SKIN: Wash with plenty of water.

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

Specific treatment (see IF ON SKIN, IF IN EYES on this label).

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

PICTOGRAMS



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
Antiscalant	CBI		5	15	H315: Causes skin irritation. H319: Causes serious eye irritation.
Sodium Salt	CBI		>1		H319: Causes serious eye irritation.

Note: CBI – Information available, on request, to the regulatory authority and emergency responders.

SECTION 4 — FIRST-AID MEASURES

DESCRIPTION OF NECESSARY FIRST AID MEASURES

IF INHALED	Remove exposed person from source of exposure to fresh air. If not breathing, clear airway and start cardiopulmonary resuscitation (CPR). Get immediate medical attention.
IF IN CONTACT WITH EYES	Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get immediate medical attention.
IF IN CONTACT WITH SKIN	Immediately flush the skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash contaminated clothing before reuse.
IF INGESTED	Do not induce vomiting unless directed by medical personnel. Drink 1 to 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE and DELAYED

IF INHALED	Nasal irritation, headache, and/or nausea.
IF IN CONTACT WITH EYES	Irritation.
IF IN CONTACT WITH SKIN	Itching or irritation of the skin.
IF INGESTED	Irritation to the gastric/intestinal mucosa.

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

Get immediate medical attention if any contact, swallowing or inhalation of product after initial first aid measures. Treat symptomatically and supportively.

SECTION 5 — FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Dry chemical, CO ₂ , alcohol-resistant foam, or water spray. Procedure: Use water spray to cool containers exposed to fire. Minimize exposure. Do not breathe fumes. Contain run-off. A respirator or NIOSH-approved positive pressure suit should be worn if conditions warrant.
EXTINGUISHING MEDIA NOT SUITABLE	None known.
SPECIFIC HAZARDS ARISING FROM THE CHEMICAL	Hazardous combustion products: None known. Unusual Fire and Explosion Hazards: None known.
SPECIAL PROTECTIVE ACTIONS FOR FIRE-FIGHTERS incl. PPE	Personal protective equipment: Fire fighters and others that may be exposed should wear full protective clothing and self-contained breathing apparatus. Do not breathe corrosive fumes from burning material. Keep upwind.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PPE & EMERGENCY PROCEDURES	Avoid contact with skin and eyes. Do not breathe in spray or fumes. For personal protection see Section 8. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.
ENVIRONMENTAL PRECAUTIONS	Avoid entry in municipal drainage or open water sources.
METHODS & MATERIALS FOR CONTAINMENT & CLEANING UP	Small spills: Wear protective clothing, neutralize with soda ash to pH between 6 and 9, then scoop up as much as possible. Wash and scrub area with plenty of water to remove any residue. Large spills: Stop / isolate source of leaks and prevent entry to waterways, sewers and buildings where possible. Seal off area and contain material by diking with soil or other inert material. Recover as much as possible and then apply an inert material such as sawdust to absorb the remainder. Collect in suitable containers and then wash and scrub away the residue. Disposal: Dispose of product and containers in accordance with SA National and / or regional Regulations refer National Environmental Management Waste Act - NEMWA, it's Regulations and local by-laws. This informs permitted Waste Facilities and Service providers see the South African Waste Information Centre (environment.gov.za)

SECTION 7 — HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING	Do not get in eyes, on skin or on clothing. Do not breathe vapours or mists. Keep container closed. Use only with adequate ventilation. Use good hygiene practices. Wash hands before eating, drinking, or smoking. Remove contaminated clothing and clean before re-use.
CONDITIONS FOR SAFE STORAGE	Store in cool place out of direct sun in rubber lined, plastic or FRP Containers and avoid sources of potential contamination. Avoid temperature extremes above 40 °c and do not allow product to freeze.

Segregation and or Separation requirements:

Compatible	Dangerous goods of the same Class should be compatible; consult SDS or suppliers about requirements for individual substances.	Class 8A
Keep Apart	Dangerous goods of these Classes should be kept apart by at least 3m. Consult the SDS or supplier.	Class 2.1, 2.2, 2.3, 3, 4.2, 5.1 and 5.2.
Segregate From	These combinations of dangerous goods should segregate by at least 5 m and kept in separate compounds or building compartments.	Class 1 and 7
Segregation may be Necessary	Segregation of these Classes may be necessary. Consult the SDS or supplier.	Class 4.1, 4.3, and 6.1
Isolate	This requirement applies to organic peroxides, for which dedicated stores or storage cabinets are recommended. Adequate separation from other buildings and boundaries is required.	N/A
Dangerous goods of the same class could be incompatible or react dangerously; Consult SDS or suppliers about requirements for individual substances.		Class 8B

NOTES:

1. In all cases, the SDS or supplier of the goods should **ALWAYS** be consulted.
 2. Non-dangerous goods may be kept in segregation spaces, if they will not react dangerously with any of the dangerous goods being kept.
 3. Non-dangerous goods that are combustible (excluding combustible liquids) may be kept in such spaces, provided that.
 - a) hazard assessment, including an assessment of the additional fire load, has been carried out; and
 - b) any necessary additional fire protection is provided.
- The volume of any non-dangerous goods kept in the segregation spaces needs to be considered when calculating the volume of the spillage containment for the store.

UN Packaging Codes

Stock Code	Pack Size	Make & Category	UN Code
AQT706A	25 Kg	Jerrican Plastics Non-Removable Head	UN3H1/Y
INT706	200 Kg	Drum Plastics Non-Removable Head	UN1H1/Y

Suitable storage materials: PVC – Poly Vinyl Chloride, HDPE – High Density Polyethylene, PP – Polypropylene, SS – Stainless Steel, PTFE - Polytetrafluoroethylene, and most rubbers.

Unsuitable storage materials: Mild steel, iron, copper, aluminium and alloys.

Shelf Life: 12 Months

INCOMPATIBILITIES

Conditions to avoid: Heat, Direct Sunlight.
Substances to avoid: None known.

SANS 10263-0 WAREHOUSING

None.

SECTION 8 — EXPOSURE CONTROLS AND PERSONAL PROTECTION

CONTROL PARAMETERS





OCCUPATIONAL EXPOSURE LIMITS (OEL)	Contains no substances with maximum or recommended occupational exposure limit values.
ADDITIONAL EXPOSURE LIMITS UNDER THE CONDITIONS OF USE	Contains no substances with biological exposure indices.
DNEL/DMEL AND PNEC-VALUES	No additional data.


APPROPRIATE ENGINEERING CONTROLS

Ensure adequate ventilation, especially in confined areas. Maintain air concentrations below occupational exposure standards. Ensure that eyewash stations and safety showers are close to the workstation location.

General safety and hygiene measures: Avoid contact with the skin, eyes, and clothing. Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is required additionally to the stated personal protection equipment.

INDIVIDUAL PROTECTION MEASURES

EYE PROTECTION		Wear tight fitting safety goggles or safety glasses with side shields. 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		<p>Use protective gloves. 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.</p> <p>Suggested material: Rating: 1 – Not Recommended, 2 – Good, 3 – Fair, 4 – Excellent</p> <table border="1"> <thead> <tr> <th>Material Type</th> <th>Rating</th> <th>Expected Breakthrough</th> </tr> </thead> <tbody> <tr> <td>Butyl</td> <td>4</td> <td>> 8 Hrs</td> </tr> <tr> <td>Neoprene</td> <td>4</td> <td>> 8 Hrs</td> </tr> <tr> <td>PVC (Polyvinylchloride)</td> <td>4</td> <td>> 8 Hrs</td> </tr> <tr> <td>Viton</td> <td>4</td> <td>> 8 Hrs</td> </tr> <tr> <td>Nitrile (Acrylonitrile Butadiene Rubber)</td> <td>3</td> <td>> 4 Hr</td> </tr> <tr> <td>Natural Rubber (Latex)</td> <td>1</td> <td>< 1 Hr</td> </tr> <tr> <td>Synthetic Fibre/Fibreglass</td> <td>1</td> <td>< 1 Hr</td> </tr> </tbody> </table> <p>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.</p>	Material Type	Rating	Expected Breakthrough	Butyl	4	> 8 Hrs	Neoprene	4	> 8 Hrs	PVC (Polyvinylchloride)	4	> 8 Hrs	Viton	4	> 8 Hrs	Nitrile (Acrylonitrile Butadiene Rubber)	3	> 4 Hr	Natural Rubber (Latex)	1	< 1 Hr	Synthetic Fibre/Fibreglass	1	< 1 Hr
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Synthetic Fibre/Fibreglass	1	< 1 Hr																								
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.																								

RESPIRATORY PROTECTION		<p>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. Use respirators and components tested and approved under appropriate government standards such as SANS 50136:1998, SANS 50137:2011, SANS 50140:1998.</p> <p>Consult the respirator manufacturer to determine the appropriate type of equipment for a given application. Observe respirator use limitations specified by the manufacture.</p>
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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):	Clear Colorless Liquid
ODOUR:	No recognizable odour.
ODOUR THRESHOLD:	No test data available
pH:	3.0 – 8.0
MELTING/FREEZING POINT:	No test data available
INITIAL BOILING POINT AND BOILING RANGE:	No test data available
FLASH POINT:	Not applicable. Does not sustain combustion.
EVAPORATION RATE:	No test data available
FLAMMABILITY (SOLID, GAS):	Not flammable
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:	Not explosive
VAPOUR PRESSURE:	No test data available
VAPOUR DENSITY:	No test data available
RELATIVE DENSITY:	0.99 – 1.00
SOLUBILITY(IES):	Soluble in water
PARTITION COEFFICIENT: N-OCTANOL/WATER:	No test data available
AUTO-IGNITION TEMPERATURE:	No test data available
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.

SECTION 10 — STABILITY AND REACTIVITY

REACTIVITY	No dangerous reaction known under conditions of normal use.
CHEMICAL STABILTY	The product is stable if stored and handled as prescribed/indicated. This product is stable at ambient temperatures and atmospheric pressures. It is not self-reactive and is not sensitive to physical impact.
POSSIBILTY of HAZARDOUS REACTIONS	No dangerous reaction known under conditions of normal use.
CONDITIONS TO AVOID	None known.
INCOMPATIBLE MATERIALS	Avoid contact with strong oxidising, reducing agents and bases. Avoid contact with all other chemicals
HAZARDOUS DECOMPOSITION PRODUCTS	In case of fire hazardous decomposition products may be produced such as: Carbon & Nitrogen oxides.

SECTION 11 — TOXICOLOGICAL INFORMATION

TOXICOLOGICAL (HEALTH) EFFECTS

ACUTE TOXICITY	Based on available data, the classification criteria are not met..
SKIN CORROSION/IRRITATION	Causes skin irritation.
SERIOUS EYE DAMAGE/EYE IRRITATION	Causes serious eye irritation.
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
Unpacking or mixing of product.	Unpacking or mixing of product.	Unpacking or mixing of product.	Unpacking or mixing of product.

SYMPTOMS RELATED TO PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS

Eyes: Causes serious eye irritation.

Skin: Causes skin irritation.

Chronic Exposure: Health injuries are not known or expected under normal use.

Eye contact: Redness, Pain, Irritation.

Skin contact: Redness, Irritation, Swelling

Ingestion: No symptoms known or expected.

Inhalation: No symptoms known.

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

No additional test data available.

NUMERICAL MEASURES OF TOXICITY (SUCH AS ATE)

TEST	ROUTE	SPECIES	VALUE	EFFECTS
LD50	Oral	No data.	> 5 000 mg/kg bw	Refer above section 11.1.
4Hr LD50 (Dust/Mist)	Inhalation	No data.	> 5 000 mg/m ³	Refer above section 11.1.
LD50	Dermal	No data.	> 5 000 mg/kg bw	Refer above section 11.1.

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

Aquatic Toxicity (Calculation based on GHS additivity formula)		
TEST	SPECIES	ATE VALUE
48Hr EC50	Fish	> 100 mg/l
48Hr EC50	Daphnia	> 100 mg/l
48Hr EC50	Algae	> 100 mg/l
48Hr EC50	Micro-Organism	> 100 mg/l

PERSISTANCE AND DEGRADEABILITY

OECD Test Guideline 301 (A-F)	
BOD₅	No test data available.
COD	No test data available.

BIOACCUMULATIVE POTENTIAL

PARTITION COEFFICIENT: N-OCTANOL/WATER	
LOG-K_{ow}	No test data available.
BIOCONCENTRATION FACTOR	
BCF	No test data available.

MOBILITY IN SOIL

No additional data available.

OTHER ADVERSE EFFECTS

No additional data available.

SECTION 13 — DISPOSAL CONSIDERATIONS

WASTE DISPOSAL RECOMMENDATION

Prior to implementing land disposal of waste residue (including waste sludge), consult with environmental regulatory agencies for guidance on acceptable disposal practices.

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. Avoid discharge into drains or the environment.





ECOLOGY – WASTE MATERIAL

Avoid release to the environment.

EMPTY CONTAINER

Packaging's and containers, even those that have been emptied, will retain product residue and vapours, handle empty containers as if they were full. Remove all possible traces of product and wash prior to disposal of packaging and containers. Dispose in compliance with Regulations – see above and Industry Best Practice. Avoid reuse of empty container for other storage purposes.

Recycling Information

Packaging Type	Description	UN Code	Portion & Material	Symbol
Jerrican	Plastics Non-Removable Head	UN3H1/Y	Body & Enclosure (HDPE)	
Drums	Plastics Non-Removable Head	UN1H1/Y	Body & Enclosure (HDPE)	
Composite IBC	Plastic Receptacle Steel Cage	UN31HA1/Y	Body & Enclosure (HDPE) Cage (Steel)	
Labels	Product Label and Pictograms	N/A	Polyethylene Terephthalate	

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: 2019: Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

SANS 11014: 2010: Safety Data Sheets for Chemical Products.

SANS 10263-0: 2017: The Warehousing of Dangerous Goods. General Requirements

SANS 10263-5: 2015: The Warehousing of Dangerous Goods. The Storage and Handling of Oxidizing Substances

SANS 10263-8: 2012 The Warehousing of Dangerous Goods. The Storage and Handling of Corrosive Substances.

Chemical safety assessment

Not assessed.

SECTION 16 — OTHER INFORMATION

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


HAZARD STATEMENTS	PRECAUTIONARY STATEMENTS
H315: Causes skin irritation. H319: Causes serious eye irritation.	P264: Wash exposed areas thoroughly after handling. P280: Wear protective gloves/protective clothing/eye protection/face protection. 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. P321: Specific treatment (see IF ON SKIN, IF IN EYES on this label). P332+P313: If skin irritation occurs: Get medical advice/attention. P337+P313: If eye irritation persists: Get medical advice/attention.

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

LABELLING SANS 10234:2008

SIGNAL WORD: WARNING

PICTOGRAMS

PHYSICAL & HEALTH HAZARD		ENVIRONMENTAL HAZARD		TRANSPORT	
GHS05	Corrosive Substance	N/A	N/A	N/A	N/A
					

LEGEND TO ABBREVIATIONS & ACRONYMS

ABEK: Organic gases and vapours (BP>65°C);
 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
 CBI: Confidential Business Information
 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
 STP: Standard Temperature and Pressure
 vPvB: Very Persistent Very Bio Accumulative

KEY LITERATURE REFERENCES AND SOURCES

Source	Hyperlink
GESTIS DATABASE	CBI
ECHA (European Chemicals Agency)	CBI
PUBCHEM DATA	CBI
ICSC	CBI
CAMEO CHEMICALS	CBI
USCG CHRIS Code	CBI
RTK Hazardous Substance Fact Sheet	CBI
NIOSH POCKET GUIDE	CBI
RTECS - NIOSH"	CBI
USA EPA COMPTOX	CBI

Note: CBI – Information available, on request, to the regulatory authority and emergency responders.

COMPILED BY: [CST Comp: R. van Rooyen.](#)

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02 December 2024	0	1	17 February 2022
17 February 2022	0	0	Original

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