

Material Safety Data sheet

Section 1 - Identification of the substance/preparation and company

Trade Name	Aquachem 114
Chemical Name/Synonyms -	glutaraldehyde
Formula	mixture
UNNO	none
Name of Company	Aqueous Logic
Address	248 Sutton Common Road Sutton, Surrey SM3 9PW
Telephone no.	(0208) 288-0128

Section 2 - Composition/information on ingredients

Substance	% composition	risk phrases	CAS number
Glutaraldehyde	proprietary	XN: R20/22,37/38,41,42/43	111-30-8

Section 3 - Hazards Identification

R20/22	Harmful by inhalation and if swallowed
R37/38	Irritation to eyes and respiratory system
R41	Risk of serious damage to eyes
R42/43	May cause sensitisation by inhalation and skin contact
S1/2	Keep locked up and out of reach of children.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S 36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible)
S61	avoid release of to environment. Refer to special instructions/safety data sheet

Adverse effects	Skin	Brief contact may result in mild to moderate local redness and swelling. Prolonged contact will cause severe inflammation. Brown staining of skin possible.
	Eyes	Severe conjunctivitis, severe corneal injury possible. Vapour can cause stinging of the eyes but not damage.
	Ingestion	Irritation to the mouth, throat and stomach, discomfort and pain in the chest, nausea, vomiting, diarrhoea, dizziness, drowsiness, weakness, circulatory shock, coma.
	Inhalation	Irritant to the respiratory tract. Difficulty breathing. Headache possible.

As part of our commitment to Responsible Care, we recommend that all purchased chemical products should be only discharged in dilute form to drains that are connected to the sanitary sewer to insure minimal environmental impact. All the ingredients within this product can be degraded/ safely absorbed by the environment.

Section 4 - First Aid measures

Skin	Wash with soap and water. Wash clothing before reuse. Medical attention in certain cases may be needed.
Eyes	Immediately flush with water. Speed will reduce or eliminate damage. Quickly seek medical attention.
Ingestion	Urgently seek medical help. Do not induce vomiting.
Inhalation	Remove to fresh air. Administer oxygen. If symptoms persist call doctor.

Section 5 - Fire-fighting measures

N.B. Product is non-flammable. After water evaporates off, remaining product will burn.

Suitable extinguishing media	Use alcohol foam for large fires. Small fires use carbon dioxide or dry chemicals.
Special exposure hazards	If product is exposed to extreme heat as in a fire, it may polymerise and rupture the container. Otherwise the polymer is harmless.
Special protective equipment	Self contained breathing apparatus.

Section 6 - Accidental release measures

Wear suitable protective clothing. Decontaminate spill area by careful application of aqueous sodium hydroxide or dibasic ammonium phosphate solution. Considerable heat and fumes can be released during decontamination.

For large spills	Dike and contain. Place in non-leaking containers for disposal.
For small spills (conc. <10ppm)	Soak or mop up. May be flushed into sewer.

Product is biodegradable below 10 ppm.

Section 7 - Handling and storage

Handling	Avoid contact with skin, eyes and clothing. Do not ingest or inhale.
Storage	Avoid excessive heat (polymerisation can occur). Keep away from strong alkalis and acids.

If you can smell this product then increase ventilation or a respirator is required.

We recommend that when handling all chemicals, the minimum precautions are the wearing of gloves and goggles. Efforts to minimize contact with chemicals should always be made.

Section 8 - Exposure controls/personal protection

Protective measures -	Respiratory protection	self contained breathing apparatus if using high concentrations
	Hand protection	rubber, nitrile, butyl or polyethylene gloves
	Eye protection	goggles
	Skin protection	overalls, long sleeved shirt

Wash contaminated clothing before reuse.

Section 9 - Physical and chemical properties

Appearance	clear liquid
Odour	characteristic odour
pH	4 - 7
pH at 1 %	5 - 7
Boiling point	100 C
Melting point	N/A
Flammability	non-flammable
Specific gravity	N/A
Solubility in water	complete

Section 10 - Stability and reactivity

Stability	stable
Conditions to avoid	excessive heat (above 100 C)
Materials to avoid	strong alkalis and acids
Hazardous decomposition products	excessive heat may cause polymerisation, carbon monoxide, ammonia, hydrogen chloride, nitrogen compounds

Section 11 - Toxicological information

Contact with skin may lead to redness and swelling. Prolonged contact will cause severe inflammation. Brown staining of skin possible.

Contact with eyes may cause severe conjunctivitis and severe corneal injury. Vapour may cause stinging of the eyes.

Inhalation will cause irritation of the respiratory tract, possible breathing difficulties and headaches.

Ingestion will cause irritation of the mouth, throat and stomach, discomfort and pain in the chest, nausea, vomiting, diarrhoea, dizziness, drowsiness, weakness, circulatory shock and coma.

Section 12 - Ecological information

Toxic to fish. Do not discharge to open water ways. This product can be a short term environmental hazard if mishandled.

Section 13 - Disposal considerations

Large amounts should be given to licensed disposal agency.

Containers must be washed with copious amounts of water and remaining product diluted to 10 ppm or less to allow its biodegradation.

Section 14 - Transport information

Not regulated for transport.

Section 15 - Regulatory information

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Section 16 - Other information

Keep container tightly closed when not in use
KEEP OUT OF THE REACH OF CHILDREN

The information on this Material Safety Data Sheet reflects the latest information and data that we have on hazards, properties, and handling of this product under recommended conditions of use. Any use of this product or method of application which is not described in the Product Data Sheet or on the Product Label is the responsibility of the user.