

Kleenpool

1. Identification of the substance/preparation and of the company/undertaking

1.1 Product Identifier Kleenpool

1.2 Relevant Identified uses of the substance or mixture and uses advised against

Uses: For disinfection of pool and spa water.

1.3 Details of the supplier of the safety data sheet

Company: Complete Pool Controls Ltd
Unit 2, The Park
Stoke Orchard
Bishops Cleeve
Gloucestershire
GL52 7RS

Telephone +44 (0) 8712 229081

Fax: +44 (0) 8712 229083

E-mail: sales@cpc-chemicals.co.uk

1.4 Emergency Telephone

Tel: +44 (0) 8712 229081 (office hours) +44 (0) 3712 229084 (outside of office hours)

2. Hazard Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Hazard Class	Hazard Statements
Eye Irrit. 2	H319
Aquatic Acute 1	H400
Aquatic Chronic 2	H411

For the full text of the H statements mentioned in this section see Section 16.

Most important adverse effects

Human Health: See section 11 for toxicological information.

Physical & Chemical Hazards: See section 9 for toxicological information.

Potential environmental effects: See section 12 for toxicological information.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard statements:	H319	Causes serious eye irritation
	H411	Toxic to aquatic life with long lasting effects

Signal word: Warning

Hazard pictograms:	GHS07:	Exclamation mark
	GHS09:	Environmental



Precautionary statements:	P273:	Avoid release to the environment.
	P280:	Wear protective gloves/protective clothing/eye protection/face protection.
	P303+ P 361+ P353:	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water

2. Hazard Identification...cont

P301+P312 IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P337+313: If eye irritation persists: Get medical attention.
 P391 Collect spillage

2.3 Other Hazards PBT: This product is not identified as a PBT/vPvB substance.

3. Composition/information on ingredients**3.1 Mixture**

METHANAMINE, N-METHYL-, POLYMER WITH 2-(CHLOROMETHYL) OXIRANE

EINECS	CAS	PBT/WEL	CLP Classification	Percent
-	25988-97-0	-	Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410	10 - 30%

ETIDRONIC ACID

-	2809-21-4	-	Met. Corr. 1: H290; Eye Dam. 1: H318; Acute Tox. 4: H302	1-10%
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COPPER SULPHATE PENTAHYDRATE

231-847-6	7758-99-8	-	Acute Tox. 4: H302; Skin Irrit. 2: H315; Eye Irrit. 2: H319; Aquatic Chronic 1: H410	1-10%
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Contains: Mixture of listed substances with non hazardous additions.

4. First Aid measures**4.1 Description of first aid measures**

General Advice: Take off all contaminated clothing immediately.

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eye contact: Check for and remove any contact lenses. Open eyes wide apart. Rinse opened eye plenty of water for at least 15 minutes. Get medical attention.

Ingestion: Wash out mouth with water. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor

4.2 Most important symptoms and effects, both acute and delayed

Skin contact: There may be irritation and redness at the site of contact

Eye contact: There may be irritation and redness. The eyes may water profusely

Ingestion: There may be irritation and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

4.3 Indication of immediate medical attention and special treatment needed

Immediate / special treatment: Eye bathing equipment should be available on the premises

5. Fire fighting measures

5.1 Extinguishing media:

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray

5.2 Special hazards arising from the substance or mixture

Exposure Hazards In combustion emits toxic fumes.

5.3 Advice for fire-fighters

Advice for fire-fighters Wear self-contained breathing apparatus. Wear protective clothing to prevent contact

6. Accidental release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions: Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2 Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3 Methods and materials for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4 Reference to other sections

For personal protection see section 8

7. Handling and storage

7.1 Precautions for safe handling

Handling Requirements: Avoid direct contact with the substance. Ensure sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

7.2 Conditions for safe storage, including any incompatibilities.

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids.

Fire protection Normal measures for preventive fire protection

7.3 Specific end uses

No information is available.

8. Exposure control/personal protection

8.1 Control parameters

Workplace exposure limits: No data available.

DNEL / PNEC values: No data available.

8.2 Exposure controls

Engineering measures Ensure there is sufficient ventilation of the area. The floor of the storage room must be impermeable to prevent the escape of liquids.

Personal protective equipment

Respiratory protection Self-contained breathing apparatus must be available in case of emergency.

Hand protection Wear protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.

Eye protection Wear safety glasses approved to standard EN 166. Provide eye station

Skin protection Protective clothing

Trade Name: Kleenpool

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form: Liquid
Colour: Clear blue
Odour: Barely perceptible odour

pH < 1

Water solubility: Miscible
Relative density: 1.085

9.2 Other Information No data available.

10. Stability and reactivity

10.1 Reactivity

Reactivity Stable under recommended transport or storage conditions.

10.2 Chemical stability

Chemical stability Stable under normal conditions

10.3 Possibility of hazardous reactions

Hazardous reactions Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

10.4 Conditions to avoid

Conditions to avoid Heat

10.5 Incompatible materials

Materials to avoid: Strong oxidising agents. Strong bases. Alkalis.

10.6 Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

11. Toxicological Information

11.1 Information on toxicological effects

Hazardous ingredients:

METHANAMINE, N-METHYL-, POLYMER WITH 2-(CHLOROMETHYL) OXIRANE

DERMAL	RAT	LD50	>2000	mg/kg
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ETIDRONIC ACID

DERMAL	RBT	LD50	>5000	mg/kg
ORAL	RAT	LD50	1878	mg/kg

COPPER SULPHATE PENTAHYDRATE

DERMAL	RBT	LD50	>2000	mg/kg
ORAL	RAT	LD50	482	mg/kg

Relevant hazards for substance:

Hazard	Route	Basis
Serious eye damage	OPT	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.
Eye contact: There may be irritation and redness. The eyes may water profusely.
Ingestion: . There may be soreness and redness of the mouth and throat
Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

12. Ecological Information**12.1 Toxicity****METHANAMINE, N-METHYL-, POLYMER WITH 2-(CHLOROMETHYL) OXIRANE**

ALGAE	72H	ErC50	0.22	mg/l
Daphnia magna	48H	EC50	0.13	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H	LC50	0.13	mg/l

12.2 Persistence and degradability

Persistence and degradability Not biodegradable.

12.3 Bioaccumulative potential

Bioaccumulative potential Bioaccumulation potential.

12.4 Mobility in soil

Mobility Readily absorbed into soil.

12.5 PBT and PvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6 Other adverse effects

Other adverse effects: Toxic to aquatic organisms. Toxic to soil organisms.

13. Disposal Considerations**13.1 Waste treatment methods**

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. Transport Information

14.1 UN Number UN3082

14.2 Shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(METHANAMINE, N-METHYL-, POLYMER WITH 2-(CHLOROMETHYL) OXIRANE;
COPPER SULPHATE PENTAHYDRATE)

14.3 Transport hazard class(es)

Transport Class 9

14.4 Packaging Group III

14.5 Environmental hazards

Environmentally hazardous: Yes

Marine pollutant: Yes

14.6 Special precautions for user

Special precautions: No special precautions.

Transport category: 3

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

Transport in bulk: Not applicable

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for this substance or mixture.

Not applicable

15.2 Chemical Safety Assessment

A chemical safety assessment has not been carried out for the mixture by the supplier

16. Other information

Full text of H-statements referred to under sections 2 and 3

H290:	May be corrosive to metals.
H302:	Harmful if swallowed.
H315:	Causes skin irritation
H318:	Causes serious eye damage.
H319:	Causes serious eye irritation
H400:	Very toxic to aquatic life.
H410:	Very toxic to aquatic life with long lasting effects
H411:	Toxic to aquatic life with long lasting effects.

Further information

Restricted to professional users. Attention - Avoid exposure- obtain special instructions before use

Legal Disclaimer:

This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty or merchantability, or fitness for any particular use, or any other warranty, express or implied, with respect to this information, and we assume no liability resulting from use of this information. Users should make their own investigations to determine the suitability of the information for their particular needs and uses.

• Abbreviations and acronyms:

ADR:	Accord europeen sur le transport des marchandises dangereuse par Route (European Agreement concerning the
RID:	Reglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations
IMDG:	International Maritime Code for Dangerous Goods
IATA:	International Air Transport Association
IATA-DGR:	Dangerous goods Regulations by the 'International Air Transport Association' (IATA)
ICAO:	International Civil Aviation Organization
GHS:	Globally Harmonized System of Classification and Labelling of Chemicals
EINECS:	European Inventory of Existing Commercial Chemical Substances.
CAS:	Chemicals Abstracts Service (division of the American Chemical Society)
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent

█ Indicates updated section