

2. Hazard Identification

P280: Wear protective gloves/protective clothing/eye protection/face protection
 P301 + 312 IF SWALLOWED: Call a POISON CENTER/doctor/ if you feel unwell.
 P302 + 350 IF ON SKIN: Gently wash with plenty of soap and water.
 P305+351+338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
 P501 Dispose of contents / container in accordance with local/national/international regulations

2.3 Other Hazards

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

3. Composition/information on ingredients**3.2 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	30 - 50%

COPPER SULPHATE PENTAHYDRATE

231-847-6	7758-99-8	-	Acute Tox. 4: H302; Skin Irrit. 2: H315; Eye Irrit. 2: H319; Aquatic Chronic 1:	10 - 30%
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ETIDRONIC ACID

-	2809-21-4	-	Met. Corr. 1: H290; Eye Dam. 1: H318; Acute Tox. 4: H302	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**

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. Exposure cause
 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 to cool containers

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 with skin and eyes

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, 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

See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment
See Section 13 for disposal information

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.

8. Exposure control/personal protection**8.2 Exposure controls****Personal protective equipment**

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

9. Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Form:	Liquid
Colour:	Dark Green
Odour:	Characteristic Odour

pH	< 2
Relative density:	1.200

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 -

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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COPPER SULPHATE PENTAHYDRATE

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

11. Toxicological Information**11.1 Information on toxicological effects****Hazardous ingredients:**

ETIDRONIC ACID

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

Relevant hazards for substance:

Hazard	Route	Basis
Serious eye damage	OPT	Hazardous: calculated
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	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 pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.
Ingestion: .	There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.
Inhalation:	There may be irritation of the throat with a feeling of tightness in the chest.

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 No 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: Very toxic to aquatic organisms. Harmful 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	UN1760
14.2 Shipping name	CORROSIVE LIQUID, N.O.S. (ETIDRONIC ACID; METHANAMINE, N-METHYL-, POLYMER WITH 2-(CHLOROMETHYL) OXIRANE)
14.3 Transport hazard class(es)	
Transport Class	8
14.4 Packaging Group	III
14.5 Environmental hazards	
Environmentally hazardous:	Yes
Marine pollutant:	Yes
14.6 Special precautions for user	
Special precautions:	Warning: Corrosive substances.
Tunnel code:	E
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

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010

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.

█ Indicates updated section