



SAFETY DATA SHEET

according to 91/155/EEC

Date/revised on: 06.09.2004	page 1/4			
Version: 5				
Trade name: Wolmanit® CX-8				
1 Substance/preparation and company name				
Trade name: Wolmanit® CX-8				
Company: Dr. Wolman GmbH, Postfach 1160, D - 76545 Sinzheim				
Emergency information: Product Management	Tel. ++ 49 7221 800-0 or 800 – 234			
2 Composition/information on ingredients				
Chemical nature: Liquid wood preservative salt based on copper and boron components				
Contains				
CAS number	Name	%	Classification	R-phrases
312600-89-8	Bis-(N-cyclohexyldiazeniumdioxy)-copper	2.8	Xn, N	22 – 36 – 50/53
12069-69-1	Copper hydroxide carbonate	13.04	Xn, N	20/22 – 51/53
10043-35-3	Boric acid	4.0	Xn	62 - 63
3 Possible Hazards				
Principal hazard:				
				
C - Corrosive	N – Dangerous for the environment			
Critical hazard to man and environment:				
R 20	Harmful by inhalation			
R 21/22	Harmful in contact with skin and if swallowed			
R 34	Causes burns			
R 50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment			
R 62	Possible risk of impaired fertility			
R 63	Possible risk of harm to the unborn child			
4 First aid measures				
General advice	Remove contaminated clothing immediately			
if inhaled:	—			
on skin contact:	Immediately wash thoroughly with plenty of water			
on contact with eyes:	Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist			
on ingestion:	Rinse mouth immediately, seek medical attention			
5 Fire fighting measures				
Suitable extinguishing media:	Water, foam, powder, dry extinguishing media			
Extinguishing media not to be used:	—			
Special protective equipment:	No special measures necessary			

6 Accidental release measures

Personal precautions:	Ensure adequate ventilation
Environmental precautions:	Do not discharge into drains or into the soil
Methods for cleaning up:	Soak up with absorbent material. Prevent larger amount from spreading and pump into suitable container if possible

7 Handling and storage**Handling:**

The precautions generally taken with chemicals are to be observed when handling and applying the product. Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke.

Storage:

Storage in original container tightly closed. Keep out of reach of children. Protect from acids and acid forming. Ensure thorough ventilation of storage and work areas.

VbF-class: —

8 Exposure controls and personal protection

Additional information on the lay-out of technical plant: see 7

Personal protective equipment:

Respiratory protection: Breathing protection if ventilations inadequate

Hand protection: Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chlorophene rubber (0.5 mm), polyvinylchloride (0.7 mm) and other.

Eye protection: Tightly fitting safety goggles (EN 166)

Body protection: Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to DIN-EN 465).

General safety and hygiene measures:

Observe the precautions generally taken with chemicals

9 Physical and chemical properties

Form:	liquid
Colour:	blue
Odour:	weak
Melting point /melting range:	—
Boiling point / boiling range:	—
Flash point:	not applicable
Ignition temperature:	not applicable
Explosion limits:	none
Vapour pressure:	—
Density:	1.2 g/cm ³ at 20 °C
pH-value:	9.6 (approx.) at 20 °C and 20 g/l H ₂ O
Solubility in water:	miscible with water in each ratio
Viscosity:	—

10 Stability and reactivity

Conditions to be avoided:	Thermal decomposition > 250 °C
Substances to be avoided:	—
Hazardous decomposition products:	No decomposition if correctly stored and handled

11 Toxicological information**Acute toxicity:**

LD ₅₀ oral (rat):	approx. 500 mg/kg
LD ₅₀ dermal (rat):	> 2000 mg/kg
Skin irritation (rabbit):	corrosive
Eye irritation (rabbit):	corrosive
Sensibilisation:	non sensitizing

12 Ecological information**Ecotoxicity**

- Toxicity to fish:	LC ₅₀ (96 h): approx. 1 mg/l (calculated)
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Elimination information:

The copper based active ingredients can be eliminated by abiotic processes, e.g. adsorption on activated sludge. Boric acid decomposes in the environment to natural borate.

General advice:

Observe the legal provisions regarding the prevention of pollution of ground and surface water as well as air and soil. Do not discharge product into natural waters without pre-treatment.

13 Disposal considerations

Product: Recommendations:	Dispose of by special means in accordance with local regulations e.g. suitable incineration
Contaminated packaging: Recommendations:	After employing and appropriate cleaning containers can be recycled or given back to the producer

14 Transport information**Land transport ADR/RID and GGVS/GGVE (international/national):**

Class: 8
UN-number: 1760
Description of the good: CORROSIVE LIQUID, N.O.S. (ALKYLAMINE)
Packaging group: II

Sea transport IMDG/GGVSee:

Class: 8
UN-number: 1760
Proper shipping name: CORROSIVE LIQUID, N.O.S. (ALKYLAMINE)
Packaging group: II
EMS-number: F-A, S-B
MFAG: 760

Air transport ICAO-TI and IATA-DGR:

Class: 8
UN-number: 1760
Proper shipping name: CORROSIVE LIQUID, N.O.S. (ALKYLAMINE)
Packaging group: II

15 Regulatory information**Labelling according to EC Directives:**

C – Corrosive

N – Dangerous for the environment

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S 26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S 28	After contact with skin, wash immediately with plenty of water
S 36/37	Wear suitable protective clothing and gloves

National legislation / regulations:**VbF classification:** —**Water hazard class:** WGK 2 – water hazardous (self-classification) (Germany)**16 Other information**

All information is given in conjunction with the Technical Leaflet. The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations.