

5. FIRE-FIGHTING MEASURES

- 5.1. Suitable extinguishing media:
Water.
Water fog, carbon dioxide, foam, dry chemicals.
- 5.2. Extinguishing media to avoid:
None under normal conditions.
- 5.3. Further information:
Keep containers cool by spraying with water.

6. ACCIDENTAL RELEASE MEASURES

- Wear adequate personal protective equipment, see section 8 (exposure control / personal protection).
- Spills should be contained by and carried with suitable absorbent material and removed from disposal.
- Dispose of according to local and national regulations.
- Prevent from entering into soil, waterways and groundwater.

7. HANDLING AND STORAGE

- 7.1. Handling
Avoid eye and skin contact. Wash hands and exposed skin before eating, drinking or smoking and after work. Use only in a well ventilated area. Ingestion, exposure to skin and eyes and inhalation of any generated vapours should be avoided. Wear suitable protective clothing, gloves and eye/face protection. Do not consume or store food in the working area.
- 7.2. Storage
Keep containers tightly closed. Store in a well ventilated, cool, dry area. Storage temperature should be higher than +5°C

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1. Exposure limit values (INGREDIENTS INFORMATION)
- ETHANEDIOL
TLV-C = 101 mg/m³
MAK (Deutschland, TRGS 900) = 10 ppm - 26 mg/m³
- 5-CHLORO-2-METHYL-3-(2H)-ISOTHIAZOLINON
MAK (Deutschland, TRGS 900) = 0,2 mg/m³(mixture CIT/MIT 3:1)
- 2-METHYL-3-(2H)-ISOTHIAZOLINON
MAK (Deutschland, TRGS 900) = 0,2 mg/m³(Mixture CIT/MIT 3:1)
- 8.2. Exposure controls
Respiratory protection: no respiratory protection needed under normal conditions. Good ventilation should be sufficient.
Hand protection: use chemical resistant gloves. In case of prolonged immersion or frequently repeated contact use gloves made of the materials: nitrile rubber (thickness >= 0,38 mm, breakthrough time > 480 min) neoprene (thickness >= 0,65 mm, breakthrough time > 240 min). butyl rubber (thickness >= 0,36 mm, breakthrough time > 480 min)
For intermittent splash protection corresponding gloves with breakthrough time > 60 min can be used.
Avoid gloves made of : natural rubber.
Eye protection: use chemical safety goggles. Eye wash fountain should be located in immediate work area.
Other: appropriate protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Liquid
Colour	: Blue
Odour	: Mild
Boiling point/range	: ~ 100 °C
pH value (25°C)	: 4,41
Density (20°C) Kg/L	: 1,0665
Vapour pressure (20°C)	: ~ 23 mbar
Solubility in water (25°C)	: Completely
Viscosity	: As water

10. STABILITY AND REACTIVITY

- 10.1. Conditions to avoid
The product is stable under normal storage conditions.
- 10.2. Materials to avoid
None.
- 10.3. Hazardous decomposition products
Formation of CO₂ and CO fumes is possible.

11. TOXICOLOGICAL INFORMATION

Acute toxicity (INGREDIENTS INFORMATION)

ETHANEDIOL

LD50 (Oral Rat)	=	4700 mg/kg
LD50 (Dermal rabbit)	=	9530 mg/kg

5-CHLORO-2-METHYL-3-(2H)-ISOTHIAZOLINON

LD50 (Oral Rat)	=	NAV
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2-METHYL-3-(2H)-ISOTHIAZOLINON

LD50 (Oral Rat)	=	285 mg/kg
LD50 (Dermal rabbit)	=	> 2000 mg/kg

Skin contact
May cause sensitization by skin contact.

12. ECOLOGICAL INFORMATION

Ecotoxicity (INGREDIENTS INFORMATION)

ETHANEDIOL

LC50 (Goldfish, 48h)	=	> 10000 mg/l
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5-CHLORO-2-METHYL-3-(2H)-ISOTHIAZOLINON

LC50 (Fish, 96 hours)	=	NAV
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2-METHYL-3-(2H)-ISOTHIAZOLINON

LC50 (Fish, 96 hours)	=	NAV
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13. DISPOSAL CONSIDERATIONS

Dispose of according to local and national regulations. Containers must be disposed of in accordance with local regulations.
EWC: 07 07 99 Wastes not otherwise specified

14. TRANSPORT INFORMATION

UN N° : - PSN : NON HAZARDOUS LIQUID
ADR/RID

Class:NA	labels :-	Pack. Group:-
Code :NA	TREMcard :NA	Spec. Prov.:-
Pack. Inst.:-	Lim. Quant.:-	

IMDG

Class:NA	Subs. Risk :NA	Pack. Group:NA
EmS fire:NA	EmS Storage:NA	IBC. Inst. :-
Pack. Inst.:-	Lim. Quant.:-	Mar.Poll:N

ICAO/IATA

Class:NA	Subs. Risk :NA	Pack. Group:NA
Passenger and Cargo Aircraft. Pkg	Inst:NA	Max Net Qty/Pkg:NA
Cargo Aircraft Only	. Pkg Inst:NA	Max Net Qty/Pkg:NA
Ltd Qty	. Pkg Inst:-	Max Net Qty/Pkg:-

15. REGULATORY INFORMATION

EU Classification and User Label Information:
Contains : 5-CHLORO-2-METHYL-3-(2H)-ISOTHIAZOLINON
2-METHYL-3-(2H)-ISOTHIAZOLINON

Symbol(s) : Xi
R(isk) phrase(s) :
R43 : May cause sensitization by skin contact.
S(afety) phrase(s) :
S24 : Avoid contact with skin.
S37 : Wear suitable gloves.

Other information :
WGK: 1

16. OTHER INFORMATION

The use of the preparation is restricted to professional users|
The above mentioned data correspond to our present state of knowledge and
experience. The safety data sheet serves as description of the products in
regard to necessary safety measures. The indications have not the meaning
of guarantees on properties.

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NAv : Not available NA : Not applicable
RISK PHRASES MENTIONED IN PARAGRAPH 2:
R22 : Harmful if swallowed.
R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.
R23/25 : Toxic by inhalation and if swallowed.
R34 : Causes burns.
R43 : May cause sensitization by skin contact.
R50 : Very toxic to aquatic organisms.
R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in
 the aquatic environment.