

**Safety data sheet**

according to UK/EU REACH

printing date 08.10.2024

version number 35.0

revision: 27.09.2024

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

- **1.1 Product identifier**
- **Trade name: ACTICIDE CMG**
- **Unique Formula Identifier (UFI): CR2W-E017-T00G-NHX1**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against:**
- **Application of the substance/the mixture:** Biocidal product for industrial use.
- **1.3 Details of the supplier of the safety data sheet:**
- **Address and telephone number of the supplier:**  
Thor Specialities (UK) LTD.  
Wincham Avenue  
Wincham Northwich  
Cheshire CW9 6GB  
United Kingdom  
Phone: (UK) +44 (0) 1606 818800  
Fax: (UK) +44 (0) 1606 818801
- **Competent person responsible for the Safety Data Sheet:**  
Regulatory Department: sds@thoruk.com
- **1.4 Emergency telephone number:**  
National Poisons Information Service (24 h service): 0844-892-0111 (UK only)  
National Poisons Information Centre: 01 8092166 (Ireland only)  
Transport Emergency phone number (24 h service): +49 621 60-43333

**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
- **In accordance with Regulation (EC) No 1272/2008**



GHS05 corrosion

Skin Corr. 1C      H314 Causes severe skin burns and eye damage.  
Eye Dam. 1      H318 Causes serious eye damage.



GHS09 environment

Aquatic Acute 1      H400 Very toxic to aquatic life.  
Aquatic Chronic 1      H410 Very toxic to aquatic life with long lasting effects.



GHS07

Skin Sens. 1      H317 May cause an allergic skin reaction.

- **2.2 Label elements**
- **In accordance with Regulation (EC) No 1272/2008.**  
The product is labelled according to the regulation.

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**· Hazard pictograms**

GHS05 GHS07 GHS09

**· Signal word** Danger**· Hazard-determining components of labelling:**

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

**· Hazard statements**

Causes severe skin burns and eye damage.

May cause an allergic skin reaction.

Very toxic to aquatic life with long lasting effects.

**· Precautionary statements**

Avoid release to the environment.

Wear protective gloves/protective clothing/eye protection/face protection.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If skin irritation or rash occurs: Get medical advice/attention.

Collect spillage.

**· Additional information:**

For professional users only.

Read enclosed leaflet/safety data sheet before use by following the QR code.

**· 2.3 Other hazards****· PBT-properties:** none**· vPvB-properties:** none**· Determination of endocrine-disrupting properties:** none

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### SECTION 3: Composition/information on ingredients

#### · 3.2 Mixtures

##### · Dangerous components:

CAS: 55965-84-9 Index number: 613-167-00-5	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) ⚠ Acute Tox. 3, H301; Acute Tox. 2, H310; Acute Tox. 2, H330 ⚠ Skin Corr. 1C, H314; Eye Dam. 1, H318 ⚠ Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100) ⚠ Skin Sens. 1A, H317 EUH071 ATE: ATE oral: 66 mg/kg ATE dermal: > 141 mg/kg ATE, dusts and mists, 4h, inhalative: 0.17 mg/l Specific concentration limits: Skin Corr. 1C; H314: C ≥ 0.6 % Skin Irrit. 2; H315: 0.06 % ≤ C < 0.6 % Eye Dam. 1; H318: C ≥ 0.6 % Eye Irrit. 2; H319: 0.06 % ≤ C < 0.6 % Skin Sens. 1A; H317: C ≥ 0.0015 %	1.48%
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· **Additional information:** Hazard statements see section 16.

### SECTION 4: First aid measures

#### · 4.1 Description of first aid measures

##### · Note:

Obtain special instructions from the poison information centre: 0844-892-0111 (UK only)  
 Personal protection for the First Aider.

· **After inhalation:** Supply fresh air; consult doctor in case of symptoms.

##### · After skin contact

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

In case of allergic skin reaction contact physician and show this safety data sheet.

##### · After eye contact:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Consult an eye specialist immediately.

##### · After swallowing:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

Bring vomiting person into recovery position.

Do not give anything by mouth to an unconscious person.

· **Information for doctor:** Probable mucosal damage may contraindicate the use of gastric lavage.

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- **4.2 Most important symptoms and effects, both acute and delayed**  
Allergic skin reactions.  
Skin reaction like itching, reddening, blistering may appear after hours.  
Corrosive damage to gastro-intestinal tract.  
Painful destruction of skin tissue which tends to heal slowly.
- **Danger** Danger of gastric perforation.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
If swallowed, gastric irrigation with activated carbon.  
Treat skin and mucous membrane with antihistamine and corticoid preparations.  
Rinse eyes thoroughly with physiological saline.

**SECTION 5: Firefighting measures**

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
Product is non combustible. Use fire fighting measures that suit the environment.
- **Unsuitable extinguishing agents for reasons of safety:** None
- **5.2 Special hazards arising from the substance or mixture**  
Under certain fire conditions, traces of toxic gases cannot be excluded, e.g.:  
Nitrogen oxides (NO<sub>x</sub>)  
Sulphur dioxide (SO<sub>2</sub>)  
Hydrogen chloride (HCl)  
Carbon monoxide (CO)
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained breathing apparatus.
- **Additional information** Collect contaminated fire fighting water separately. It must not enter drains.

**SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.  
When selecting the protective suit attention has to be paid to the complete and safe protection of skin and mucous membranes. Impermeable protective clothes, protective boots made of neoprene, complete face protection and nitrile-rubber-gloves with long tops should be worn.
- **6.2 Environmental precautions:**  
As the product is hazardous for the aquatic environment, it must be prevented from reaching surface water.  
Inform authorities in case of contamination of water or sewage system.
- **6.3 Methods and material for containment and cleaning up:**  
Dam and absorb spillage with chemical binder.  
Dispose of contaminated material as waste according to item 13.  
Decontamination: Polluted surfaces can be decontaminated with a solution containing 5% sodium bisulphite and 5% sodium bicarbonate.

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In case of a spill drained to the sewer collect contaminated water in suitable container and add 10% sodium bisulfite solution. Contact supplier for further instructions.

· **6.4 Reference to other sections** None

**SECTION 7: Handling and storage****· 7.1 Precautions for safe handling**

Handle product in closed systems preferably.

Provide good room ventilation or local exhaust ventilation at the workplace.

Avoid pollution of the air at the workplace, caused e. g. by aerosol formation or by product heating.

Assess hazards arising from work equipment and work places.

Containers with biocidal products must be kept closed when not in direct use. Only the quantity required for use may be kept in work areas.

Persons with a history of skin sensitisation problems should not be employed in any process in which this product is used.

Clean contaminated work equipment immediately to avoid skin corrosion/-irritation and/or allergic skin reactions in case of unconscious skin contact.

· **Information about protection against explosion and fire:** No special measures required.

**· 7.2 Conditions for safe storage, including any incompatibilities****· Requirements to be met by storerooms and containers:**

Biocidal products must be stored in such a way that human health and the environment are not jeopardised.

Biocidal products should preferably be stored in their original containers.

Information about suitable materials for vessels and piping can be requested from our sales department: Tel.: +44(0)1606 818800.

· **Information about storage in a common storage facility:** none

**· Further information about storage conditions:**

Prevent release to the environment by adequate secondary containment design and use of appropriate spill control procedures.

· **Recommended storage temperature:** 20° C

· **Sensitivity against UV-radiation and heat:** Protect from heat and direct sunlight.

· **7.3 Specific end use(s)** No further relevant information available.

**SECTION 8: Exposure controls/personal protection****· 8.1 Control parameters**

· **Components with critical values that require monitoring at the workplace:** None established.

· **Additional information:** Information valid at the time of review of safety data sheet.

**· 8.2 Exposure controls****· Technical protective equipment:**

In case of contamination devices to rinse eyes or skin immediately under running water must be available.

· **Individual protection measures, such as personal protective equipment**

**· General protective and hygienic measures:**

Avoid contact with the eyes and the skin.

Wear protective clothing, protective gloves and eye protection.

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Wash hands during work breaks and at the end of the shift.

Use skin cream for skin protection.

Provide skin protection plan.

· **Respiratory protection:** If there is potential for airborne exposures:

· **Hand protection**



Chemical protective gloves (EN ISO 374-1:2018)

Wear protective gloves with long gauntlets preferably.

Check the condition of protective gloves after each use for any damages like holes, cuts or tears.

After use of gloves apply skin-cleaning agents and skin cosmetics.

Do not wear protective gloves longer than necessary.

· **Material of gloves** Nitrile rubber, NBR

· **Penetration time of glove material:**

Thickness: 0.4 mm; break-through time: 480 min; material: Nitrile; permeation: level 6

· **Gloves made of the following materials are not suitable:**

Gloves for mechanical protection do not provide protection against chemicals.

· **Eye/face protection**



Face shield/visor (DIN EN 166)

Use visor in combination with goggle.

· **Body protection:**



Protective clothing (DIN EN 14605)

Entire head, face and neck protection

· **Thermal hazards** Not expected when used as intended.

· **Environmental exposure controls:**

Prevent the product from entering the sewage system or surface and ground water.

· **Risk management measures:**

The operators shall be instructed adequately.

The workplace shall be inspected regularly by competent personnel e.g. the safety representative.

**SECTION 9: Physical and chemical properties**

· **9.1 Information on basic physical and chemical properties**

· **Physical state:**

liquid

· **Colour:**

colourless

clear

· **Odour:**

mild

· **Melting point/freezing point:**

There is no information available on this property.

· **Boiling point or initial boiling point and**

**boiling range**

> 227 °C

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· <b>Flammability</b>	difficult to ignite
· <b>Lower and upper explosion limit</b>	
· <b>Lower:</b>	2.9 Vol % (CAS 25265-71-8)
· <b>Upper:</b>	12.6 Vol % (CAS 25265-71-8)
· <b>Flash point:</b>	> 130 °C
· <b>Ignition temperature:</b>	327 °C (CAS 25265-71-8)
· <b>Decomposition temperature:</b>	There is no information available on this property.
· <b>pH (10 g/l) at 23.3 °C</b>	3.7 (OECD 122 - S 4136) acidic
· <b>Viscosity:</b>	
· <b>dynamic (<math>\eta</math>) at 20 °C:</b>	106.7 mPas (OECD 114 - S 4203)
· <b>kinematic (<math>\nu</math>) at 40 °C:</b>	28.8 mm <sup>2</sup> /s (OECD 114 - S 4203)
· <b>Solubility</b>	
· <b>Water:</b>	Fully miscible
· <b>Partition coefficient n-octanol/water (log value)</b>	see section 12
· <b>Vapour pressure at 20 °C:</b>	0.013 hPa (CAS 25265-71-8)
· <b>Density and/or relative density</b>	
· <b>Density at 20 °C:</b>	1.04 - 1.06 g/cm <sup>3</sup>
· <b>Relative density (D<sup>20</sup><sub>4</sub>):</b>	1,050 g/cm <sup>3</sup> (OECD 109 - S 2719)
· <b>Relative gas density</b>	4.6 (CAS 25265-71-8)
· <b>Particle characteristics</b>	Not applicable as the product is liquid.
· <b>9.2 Other information</b>	
· <b>Explosive properties:</b>	none S 4166
· <b>Oxidising properties</b>	none S 4171
· <b>Self-reactive properties</b>	none S 4176

**SECTION 10: Stability and reactivity**· **10.1 Reactivity**

The evaluation of the relevant available information does not show an indication of any metal corrosive property.

For information about suitable materials for vessels and piping see section 7 (Requirements to be met by storerooms and containers).

· **10.2 Chemical stability**· **Conditions to be avoided:**

Before handling, the product should not be diluted or mixed with other chemicals, in order to avoid any negative influences on the ingredient(s).

· **Minimum shelf life:** 18 months from production date, if stored at a temperature of about 20°C.· **10.3 Possibility of hazardous reactions** No dangerous reactions known.· **10.4 Conditions to avoid** No further relevant information available.· **10.5 Incompatible materials:**

Alkalis (lyes)

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Reducing agents  
Strong oxidising agents  
Nucleophils

· **10.6 Hazardous decomposition products:**

None, if storage and handling is done according to specification.

### SECTION 11: Toxicological information

· **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

· **Acute toxicity** Based on available data, the classification criteria are not met.

· **Acute toxicity estimates (ATE) or LD<sub>50</sub>/LC<sub>50</sub> values:**

oral	LD <sub>50</sub>	4,460 mg/kg (rat) (OECD 401) S 33 (b)
dermal	LD <sub>50</sub>	> 5,000 mg/kg (rat) (OECD 402) S 31 (b)

· **Evaluation:**

· **Skin corrosion/irritation:** Causes severe skin burns and eye damage.

· **Results of studies:**

**55965-84-9 reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)**

OECD 404	(rabbit) corrosive - S 32
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· **Serious eye damage/irritation:** Causes serious eye damage.

· **Sensitisation:** May cause an allergic skin reaction.

· **Results of studies:**

**55965-84-9 reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)**

OECD 406	(Guinea pig) sensitising - S 171 (b)
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· **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.

· **Carcinogenicity:** Based on available data, the classification criteria are not met.

· **Reproductive toxicity:** Based on available data, the classification criteria are not met.

· **STOT-single exposure:** Based on available data, the classification criteria are not met.

· **STOT-repeated exposure:** Based on available data, the classification criteria are not met.

· **Aspiration hazard:** Based on available data, the classification criteria are not met.

· **11.2 Information on other hazards**

· **Endocrine disrupting properties**

Data on endocrine disrupting properties for human health are not available.

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### SECTION 12: Ecological information

#### 12.1 Toxicity

##### Aquatic toxicity:

EC <sub>50</sub> / 48 h	6.9 mg/l (Daphnia) (OECD 202) S 52 (b) 0.35 mg/l (Skeletonema costatum) (OECD 201) RAC (b)
IC <sub>50</sub> / 72 h	3.24 mg/l (Pseudokirchneriella subcapitata) (OECD 201) S 1322 (b)

##### 55965-84-9 reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

EC <sub>50</sub> / 72 h	0.048 mg/l (Pseudokirchneriella subcapitata) (OECD 201) S 1322 (b)
EC <sub>50</sub> / 48 h	0.1 mg/l (Daphnia) (OECD 202) S 52 (b) 0.0052 mg/l (Skeletonema costatum) (OECD 201) RAC opinion
LC <sub>50</sub> / 96 h	0.22 mg/l (Onchorhyncus mykiss) (OECD 203) S 6 (b)
NOEC / 21 d	0.004 mg/l (Daphnia) (OECD 211) S 52 (b)
NOEC / 28 d	0.098 mg/l (Onchorhyncus mykiss) (OECD 215) S 117 (b)
NOEC / 72 h	0.0012 mg/l (Pseudokirchneriella subcapitata) (OECD 201) S 1322 (b)

##### Evaluation:

Very toxic to aquatic life.

Very toxic to aquatic life with long lasting effects.

##### Effect on activated sludge organisms:

##### 55965-84-9 reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

EC <sub>50</sub> / 3 h	7.92 mg/l (OECD 209) S 418 (b)
EC <sub>20</sub> / 3 h	0.97 mg/l (OECD 209) S 418 (b)

**Evaluation:** Depending on concentration, toxic effects on activated sludge organisms are possible.

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· **12.2 Persistence and degradability**

· **Rapid degradability of organic substances:**

**55965-84-9 reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)**

OECD 301 D Closed-Bottle-Test	> 60 % S 200 (b)
OECD 308 Simulation Biodegradation Aqu Sed System	1.82 - 1.92 d S 617 (CIT)

· **Evaluation:**

Substances are considered rapidly degradable in the environment if one of the following criteria holds true: if, in 28-day ready biodegradation studies, at least the following levels of degradation are achieved within 10 days of the start of degradation: 70% dissolved organic carbon or 60% oxygen depletion or carbon dioxide generation; (see GB CLP-Regulation Annex I section 4.1.2.9 and GB CLP Guidance version 4.1 Annex II.2).

Substances are considered rapidly degradable in the environment if the half-life of the primary biodegradation in aquatic simulation tests is maximum 16 days and the degradation products are not classified as hazardous.

Committee for Risk Assessment - RAC (Opinion of 10. March 2016): CIT/MIT not rapidly degradable. The classification is based on the opinion.

· **Behaviour in sewage treatment plants:**

**55965-84-9 reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)**

OECD 302 B Zahn-Wellens Test	100 % S 2387 (b)
OECD 303 A: Activated Sludge Units	> 80 % S 199 (b)

· **Evaluation:** The substances are biodegradable/eliminable in activated sludge units.

· **12.3 Bioaccumulative potential**

· **Bioconcentration factor (BCF) / octanol/water partition coefficient (LogKow):**

**55965-84-9 reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)**

Bioconcentration factor BCF	3.16 (calculated) S 1177
OECD 117 Log Kow Partition Coefficient	≤ 0.71 (n-octanol/water) S 5

· **Evaluation:** Not worth-mentioning accumulating in organisms

· **12.4 Mobility in soil**

**55965-84-9 reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)**

OECD 121 Koc on Soil and Sewage Sludge	< 12 Koc /L/kg (soil / sewage sludge) (OECD 121) S 417 CIT: Koc = 11,75 L/kg MIT: Koc = 2,88*10 <sup>25</sup> L/kg
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OECD 121 LogKoc on Soil and Sewage Sludge	< 2 (soil / sewage sludge) (OECD 121) S 417 CIT: log Koc = 1,07 MIT: log Koc = -24,54
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- **Rating:** The substance fulfills the mobility criterion "very mobile" (vM).
- **12.5 Results of PBT and vPvB assessment**
- **Persistent, bioaccumulative and toxic substances (PBT):** none
- **Very persistent and very bioaccumulative substances (vPvB):** none
- **12.6 Endocrine disrupting properties**  
Data on endocrine disrupting properties on the environment are not available.
- **12.7 Other adverse effects** none
- **Metals and their compounds (Directive 2006/11/EC):** None
- **European Water Framework Directive (2000/60/EC):**  
The product does not contain any priority substances according WFD that require a water monitoring.
- **Absorbable organic halogen compounds (AOX - DIN EN ISO 9562 H 14):**  
Can affect the AOX-value of the effluent water. The active ingredient is not persistent, it is degraded by separation of the chlorine atom.  
Calculated AOX value: 0.26 %

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Hazardous waste. Separate waste disposal to be applied.  
Appropriate disposal operations according to Directive 2008/98/EC on waste: D 10 Incineration on land

· **European waste catalogue**

16 00 00	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 03 00	off-specification batches and unused products
16 03 05*	organic wastes containing hazardous substances
HP8	Corrosive
HP13	Sensitising
HP14	Ecotoxic

- **Contaminated packaging:**
- **Recommendation:**  
Packaging can be reused or recycled after cleaning.  
Cleaning liquid can be fed to a biological wastewater treatment plant.  
Send empty packaging for reconditioning for the purpose of reuse or recycling. The current list of reconditioning companies can be viewed on the website [https://tes.bam.de/TES/Content/DE/Downloads/kurzzeichen\\_von\\_rekonditionierbetrieben.pdf](https://tes.bam.de/TES/Content/DE/Downloads/kurzzeichen_von_rekonditionierbetrieben.pdf).  
Uncleaned sales packaging may not be passed on to private users.

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You can find more information about the take-back options for packaging at [sds@thor.com](mailto:sds@thor.com)

### SECTION 14: Transport information

- **14.1 UN number or ID number**  
· **ADR, IMDG, IATA** UN3265
  
- **14.2 UN proper shipping name**  
· **ADR, IATA** CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.  
(reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1))
  
- **IMDG** CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.  
(reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)),  
MARINE POLLUTANT
  
- **14.3 Transport hazard class(es)**
- **ADR**



- **Class** 8 (C3) Corrosive substances.
- **Label** 8

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- **IMDG**



- **Class** 8 Corrosive substances.
- **Label** 8

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- **IATA**


- **Class** 8 Corrosive substances.
- **Label** 8
  
- **14.4 Packing group**  
· **ADR, IMDG, IATA** III
  
- **14.5 Environmental hazards:**
- **Marine pollutant:** Yes  
Symbol (fish and tree)
- **Special marking (ADR):** Symbol (fish and tree)
  
- **14.6 Special precautions for user** Warning: Corrosive substances.

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· <b>Kemler Number:</b>	80
· <b>EmS Code:</b>	F-A,S-B
· <b>Segregation groups</b>	(SGG1) Acids
· <b>Stowage Category</b>	A
· <b>Stowage Code</b>	SW2 Clear of living quarters.
· <b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not applicable.
· <b>Transport/Additional information:</b>	
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· <b>ADR</b>	
· <b>Limited quantities (LQ)</b>	5L
· <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· <b>Transport category</b>	3
· <b>Tunnel restriction code</b>	E
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· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	5L
· <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
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· <b>IATA</b>	
· <b>Remarks:</b>	Packing Instructions / max. net weight: Passenger aircraft: 852 / 5 L; Cargo aircraft: 856 / 60 L
· <b>UN "Model Regulation":</b>	UN 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (REACTION MASS OF 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1)), 8, III, ENVIRONMENTALLY HAZARDOUS

**SECTION 15: Regulatory information**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU - Seveso III**
- **Named dangerous substances - ANNEX I** none
- **Qualifying quantity of dangerous substances for the application of lower-tier requirements:**  
100 t
- **Qualifying quantity of dangerous substances for the application of upper-tier requirements:**  
200 t
- **Regulation (EU) No 528/2012 - biocidal products:**  
This product is subject to the BPR and any relevant national transitional regulations.  
The labeling requirements for "Treated Articles" have to be fulfilled in accordance with Art. 58 respectively "Biocidal Products" in accordance with Art. 69.

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· **Art. 95 List:**

55965-84-9	reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	PT 2, 4, 6, 11, 12, 13
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· **REGULATION (EC) No 1907/2006 ANNEX XVII:**

Restrictions for the substance, the group of substances or the mixture: 3

· **Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

· **National regulations:**

· **Information about limitation of use:**

Take note of Directive 94/33/EC on the protection of young people at work.

Take note of Directive 92/85/EC on the safety and health of pregnant women at work.

· **Volatile organic carbons (VOC):**

· **Directive 2004/42/CE:** Maximum: 955 g/L.

· **SVOC and EU Ecolabel for indoor and outdoor paints and varnishes (Commission Decision 2014/312/EU):**

This product does not contain any Semi Volatile Organic Compounds.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This data is based on our current knowledge. However, it does not constitute a guarantee for any specific product feature nor does it establish a legally valid contractual relationship.

· **Relevant hazard statements:**

- H301 Toxic if swallowed.
- H310 Fatal in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H330 Fatal if inhaled.
- H400 Very toxic to aquatic life.

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H410 Very toxic to aquatic life with long lasting effects.  
EUH071 Corrosive to the respiratory tract.

**Methods of evaluating information used for the purpose of classification:**

The classification includes the relevant available information about the mixture or the substances contained therein.

The evaluation of the available information within the scope of classification refers to the forms and aggregate states in which the mixture has been placed on the market and will be used most likely.

Skin corrosion/irritation Serious eye damage/irritation Skin sensitisation Hazardous to the aquatic environment - short-term (acute) aquatic hazard Hazardous to the aquatic environment - long-term (chronic) aquatic hazard	Calculation method
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**Abbreviations and acronyms:**

- ATE: Acute Toxicity Estimate
- EmS: Emergency Response Procedures for Ships Carrying Dangerous Goods
- EN ISO: iso norm adopted as a European standard
- DIN EN: European norm adopted as a German standard
- OECD: Organisation for Economic Co-operation and Development
- ECxx: Effect concentration, xx percent
- NOEC: No Observed Effect Concentration
- UN: United Nations
- ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- GB CLP: Classification, Labelling and Packaging
- IMO: International Maritime Organization
- UK REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
- U.S. EPA: United States Environmental Protection Agency
- FIFRA: Federal Insecticide, Fungicide, and Rodenticide Act
- Acute Tox. 3: Acute toxicity – Category 3
- Acute Tox. 2: Acute toxicity – Category 2
- Skin Corr. 1C: Skin corrosion/irritation – Category 1C
- Eye Dam. 1: Serious eye damage/eye irritation – Category 1
- Skin Sens. 1: Skin sensitisation – Category 1
- Skin Sens. 1A: Skin sensitisation – Category 1A
- Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
- Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

**Key literature references and sources for data:**

Data source(s): Biocidal product dossier(s)  
Own studies (reference to S-number).

\* **Data altered since the previous version.**