

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 19.01.2015

Version number 82

Revision: 19.01.2015

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

- **1.1 Product identifier**
- **Trade name: ACTICIDE LA**
- **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 Material Safety Data Sheet:**
 Regulatory Department: sds@thor.uk.com
- **1.4 Emergency telephone number:**
 National Poisons Information Service (24 h service):
 Phone: +44 (0) 844-892-0111 (UK only)
 Transport Emergency phone number (24 h service):
 Phone: +49 621 60-43333 - Fax: +49 621 60-92664

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS05 corrosion

Met. Corr. 1	H290 May be corrosive to metals.
Skin Corr. 1B	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.
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GHS07

Acute Tox. 4	H302 Harmful if swallowed.
Acute Tox. 4	H332 Harmful if inhaled.
Skin Sens. 1A	H317 May cause an allergic skin reaction.
Aquatic Chronic 3	H412 Harmful to aquatic life with long lasting effects.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



C; Corrosive

R34:	Causes burns.
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Xn; Harmful

R20/22: Harmful by inhalation and if swallowed.



Xi; Sensitising

R43: May cause sensitisation by skin contact.



N; Dangerous for the environment

R50: Very toxic to aquatic organisms.

Information concerning particular hazards for man and environment: void

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is labelled according to the CLP regulation.

Hazard pictograms



GHS05 GHS07 GHS09

Signal word Danger

Hazard-determining components of labelling:

Bronopol

reaction mass of: 5-chloro-2-methyl-4-iso-thiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

Hazard statements

- H290 May be corrosive to metals.
- H302+H332 Harmful if swallowed or if inhaled.
- H314 Causes severe skin burns and eye damage.
- H317 May cause an allergic skin reaction.
- H400 Very toxic to aquatic life.
- H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P310 Immediately call a POISON CENTER/doctor.

2.3 Other hazards Other hazards have not been identified for this product.

SECTION 3: Composition/information on ingredients

3.2 mixtures

Description: Preservative based on the following substances:

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









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Dangerous components:

CAS: 52-51-7 EINECS: 200-143-0 Index number: 603-085-00-8	Bronopol  Xn R21/22;  Xi R37/38-41;  N R50  Eye Dam. 1, H318;  Aquatic Acute 1, H400 (M=10); Aquatic Chronic 2, H411;  Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Irrit. 2, H315; STOT SE 3, H335	8.4-9.2%
CAS: 55965-84-9 EC number: 611-341-5 Index number: 613-167-00-5	reaction mass of: 5-chloro-2-methyl-4-iso-thiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)  T R23/24/25;  C R34;  Xi R43;  N R50/53  Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331;  Skin Corr. 1B, H314;  Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410;  Skin Sens. 1A, H317	1.07- 1.23%

Additional information

The CAS No. of the single components are: CIT: 26172-55-4; MIT: 2682-20-4
For the wording of the listed risk/hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Obtain special instructions from the poison information centre: Phone: +44 (0) 844-892-0111 (UK only) - see as well section 1.4.

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): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

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

Immediate medical treatment necessary. Failure to treat burns can prevent wounds from healing.

After eye contact

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

Call a doctor 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.

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.

Information for doctor

Probable mucosal damage may contraindicate the use of gastric lavage.

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.

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Rinse eyes thoroughly with physiological saline.

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SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
 - **Suitable extinguishing agents** Water spray jet, extinguishing powder, CO₂, foam.
 - **Unsuitable extinguishing agents for reasons of safety:** None
- **5.2 Special hazards arising from the substance or mixture**

In case of fire, toxic incineration products may be released such as:

Nitrogen oxides (NO_x)
Sulphur dioxide (SO₂)
Hydrogen chloride (HCl)
Bromine compounds such as HBr, Br₂
- **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 clothing (see item 8).
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.
Prevent from spreading (e. g. by enclosing with a ring of chemical absorbent).
Inform authorities in case of contamination of water or sewage system.
- **6.3 Methods and material for containment and cleaning up:**

Collect large amounts in suitable container. Cover the rest with absorbent, mix intensively and collect mechanically.
Suitable binder: multi-purpose absorbent.
Dispose of contaminated material as waste according to item 13.
Polluted surfaces can be decontaminated with a solution containing 5% sodium bisulphite and 5% sodium bicarbonate.
- **6.4 Reference to other sections** None.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**

Ensure good exhaust ventilation at the workplace.
It is preferable to handle the product in a closed system.
Load carefully, avoid splashes.
Avoid air pollution at the workplace e.g. aerosol formation or product heating.
Risks to the safety and health of workers may not only be created by work involving chemicals but, inter alia by work equipment and the fitting-out of work-places. Those risks shall be identified and evaluated.

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- **Information about protection against explosion and fire:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:**
Information about suitable materials for vessels and piping can be requested from our sales department Tel.: +44(0)1606 818800.
Store only in the original container.
- **Information about storage in a common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**
Possibility of reversible formation of crystals at temperatures < 0 °C. After warming up and stirring the product can be used again.
Prevent release to the environment by adequate secondary containment design and use of appropriate spill control procedures.
- **Minimum storage temperature:** 5 °C
- **Sensitivity against frost:** Protect from frost.
- **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**
- **Personal protective equipment**
- **General protective and hygienic measures:**
Use skin cream for skin protection.
Avoid contact with the eyes and the skin.
Wash hands during work breaks and at the end of the shift.
Provide skin protection plan.
- **Respiratory protection:**
Use respiratory equipment if the OEL is exceeded.
Filter A/P2. (DIN/EN 141)
- **Protection of hands:**



Chemical protective gloves according to DIN EN 374 with CE-labelling.

Check the condition of protective gloves after each use for any damages like holes, cuts or tears.
Do not wear protective gloves longer than necessary.
After use of gloves apply skin-cleaning agents and skin cosmetics.

- **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 protection:**



Safety goggles with CE label.

Use visor in combination with goggle.

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A device for rinsing eyes must be available at the work place.

Body protection:



Protective clothing.



Apron

Full head, face and neck protection

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

General Information

Appearance:

Form: Liquid
Colour: Colourless to yellowish
Clear

Odour: Mild
Odour threshold: Not relevant for safety

pH-value at 20 °C: 2.0-4.0

Change in condition

Melting point/Melting range: Not determined
Boiling point/Boiling range: ca. 100 °C (H₂O)

Flash point: Not applicable.
Self-inflammability: Product is not self-igniting.
Danger of explosion: Product is not explosive.

Vapour pressure at 20 °C: 23 mbar (H₂O)
Density at 20 °C: 1.055 ± 0.005 g/cm³

Solubility in / Miscibility with Water: Fully miscible

9.2 Other information No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity Corrosive action on metals possible.

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.

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10.5 Incompatible materials:

Alkalis (lyes)
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 toxicological effects

Acute toxicity:

LD/LC50 values that are relevant for classification:

Oral	LD50	1665 mg/kg (rat) (EPA 81-1) S 59
Dermal	LD50	> 2000 mg/kg (rat) (EPA 81-2) S 60
Inhalation	LC50 / 4 h	1.98 mg/l (rat) (EPA 81-3) S 57, Aerosol

Evaluation:

Harmful if swallowed.
Harmful if inhaled.

Primary irritant effect:

- on the skin:** Caustic effect on skin and mucous membranes.
- on the eye:** Causes serious eye damage (Assessment outlined in Annex I, CLP 1272/2008/EC).

Sensitisation:

Sensitization possible by skin contact.

Sensitisation	EC3 (LLNA)	1.7 % (mouse) (OECD 429) S 3315
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Specific target organ toxicity (STOT):

Based on the available data the classification criteria for hazard classes STOT SE and STOT RE are not fulfilled.

CMR effects (carcinogenity, mutagenicity and toxicity for reproduction):

Based on the available data the classification criteria for hazard classes "CMR" are not fulfilled.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

55965-84-9 reaction mass of: 5-chloro-2-methyl-4-iso-thiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

EC50 / 48 h	0.1 mg/l (Daphnia) (OECD 202) S 52
EC50 / 72 h	0.048 mg/l (Pseudokirchneriella subcapitata) (OECD 201) S 1322
EC50 / 96 h	0.22 mg/l (rainbow trout) (OECD 203) S 6

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NOEC / 21 d	0.004 mg/l (Daphnia) (OECD 211) S 52
NOEC / 28 d	0.098 mg/l (rainbow trout) (OECD 210) S 117
NOEC / 72 h	0.0012 mg/l (Pseudokirchneriella subcapitata) (OECD 201) S 1322
52-51-7 Bronopol	
EC50 / 48 h (static)	1.4 mg/l (Daphnia) (OECD 202) REACH Dossier
EC50 / 72 h	0.37 mg/l (Pseudokirchneriella subcapitata) (OECD 201) REACH Dossier 0.25 mg/l (Skeletonema costatum) (ISO 10253) REACH Dossier
LC50 / 96 h (dynamic)	35.7 mg/l (Bluegill sunfish) (EPA OPP 72-1) REACH Dossier
NOEC	21.5 mg/l (rainbow trout) (OECD 210) REACH dossier
NOEC / 21 d	0.27 mg/l (Daphnia) (OECD 211) REACH Dossier
NOEC / 72 h	0.1 mg/l (Pseudokirchneriella subcapitata) (OECD 201) REACH Dossier 0.08 mg/l (Skeletonema costatum) REACH Dossier

- **Evaluation:** Very toxic to aquatic life with long lasting effects.
- **Evaluation:** Depending on concentration, toxic effects on activated sludge organisms are possible.

· 12.2 Persistence and degradability

· Degree of elimination:

· Biodegradability:

55965-84-9 reaction mass of: 5-chloro-2-methyl-4-iso-thiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

OECD 301 D Closed-Bottle-Test	> 60 % (Activated Sludge) (OECD 301 D (oxygen depletion)) readily biodegradable; bridging from S 200
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OECD 308 Simulation Biodegradation Aqu Sed System	1.82 - 1.92 d (half-life) (OECD 308) CIT, S 617
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52-51-7 Bronopol

OECD 301 B CO ₂ -Evolution	> 70 % (Activated Sludge) (OECD 301 B (mod.-Sturm-Test)) REACH dossier
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- **Evaluation:** The component(s) is (are) rapidly biodegradable.
- **Evaluation:** The substance is biodegradable in activated sludge units.

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• 12.3 Bioaccumulative potential

• BCF / LogKow:

52-51-7 Bronopol

Bioconcentration factor BCF	3.16 (calculated) EPIWIN
OECD 107 Log Kow (shake flask method)	0.22 (n-Octanol/water) (OECD 107) REACH Dossier

55965-84-9 reaction mass of: 5-chloro-2-methyl-4-iso-thiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

Bioconcentration factor BCF	3.6 (calculated) EPIWIN, S 1177
OECD 107 Log Kow (shake flask method)	-0.71; + 0.75 (n-Octanol/water) (OECD 107) S 5

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

• **12.4 Mobility in soil** No further relevant information available.

• 12.5 Results of PBT and vPvB assessment

• **PBT:** This mixture does not contain substances that meet the PBT-criteria of REACH, annex XIII.

• **vPvB:** This mixture does not contain substances that meet the vPvB-criteria of REACH, annex XIII.

• **12.6 Other adverse effects** Any other adverse effects on the environment are not expected.

• 12.7 Additional information

• **Chemical Oxygen Demand: COD-value:** 52 mg O₂/g product

• **Heavy metals and their compounds according Directive 2006/11/EC:** None

• **European Water Framework Directive 2000/60/EC (WFD) dated 23.10.2000:**

The product does not contain any priority substances according WFD that require a water monitoring.

• **Adsorbable organic halogen compounds (AOX - DIN EN ISO 9562):**

Can affect the AOX-value of the effluent water.

AOX (DIN 38409 H 14): 0.47 %

SECTION 13: Disposal considerations

• 13.1 Waste treatment methods

• Recommendation

Must be specially treated under adherence to official regulations.

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 dangerous substances

• Contaminated packaging:

• **Recommendation:** Remove all product from packaging and clean thoroughly before recycling.

• **Recommended cleaning agent:** Water, if necessary with cleaning agent.

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SECTION 14: Transport information

- 14.1 UN-Number
· ADR, IMDG, IATA UN3265
- 14.2 UN proper shipping name
· ADR 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)), ENVIRONMENTALLY HAZARDOUS
- IMDG CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)), MARINE POLLUTANT
- IATA CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1))
- 14.3 Transport hazard class(es)
· ADR
-  
- Class 8 (C3) Corrosive substances.
- Label 8
- IMDG
-  
- Class 8 Corrosive substances.
- Label 8
- IATA
- 
- Class 8 Corrosive substances.
- Label 8
- 14.4 Packing group
· ADR, IMDG, IATA II
- 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.
- Kemler Number: 80

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· EMS Number:	F-A,S-B
· Segregation groups	Acids
· 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· Transport category	2
· Tunnel restriction code	E
· IMDG	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· IATA	
· Remarks:	Packing Instructions / max. net weight: Passenger aircraft: 851 / 1 L; Cargo aircraft: 855 / 30 L
· UN "Model Regulation":	UN3265, CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (reaction mass of: 5-chloro-2-methyl-4-iso-thiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)), ENVIRONMENTALLY HAZARDOUS, 8, II

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **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.
- **Regulations which may apply in event of accident: Control of Major Accident Hazards (COMAH)**
Critical quantity values according to the regulations on accidents (Seveso Directive) should be adhered to.
- **PCS-no. (IRL):** 93924
- **Indication of VOC:**
- **Directive 1999/13/EC:**
This product does not contain any relevant amounts of "Volatile Organic Compounds" (VOC).
- **Directive 2004/42/EG:**
The product does not contribute significantly to the total content of VOCs in paints and varnishes.
- **SVOC according to EU-Ecolabel for interior and exterior paints (2014/312/EU):**
This product does not contain any Semi Volatile Organic Compounds in the definition of the 2014/312/EU.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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SECTION 16: Other information

This data is based on our current knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally valid contractual relationship.

• Relevant phrases

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H312	Harmful 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.
H331	Toxic if inhaled.
H335	May cause respiratory 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.
R21/22	Harmful in contact with skin and if swallowed.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R34	Causes burns.
R37/38	Irritating to respiratory system and skin.
R41	Risk of serious damage to eyes.
R43	May cause sensitisation 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.

• Training hints

Further information regarding the directions for use can be found in the Product Data Sheet.

• Classification according to Regulation (EC) No 1272/2008

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.

The classification of that mixture was made:

on the basis of test data (X)

by application of bridging principles (-)

by application of summation methods (X)

• Contact for technical information: Biocides: info@thor.uk.com

• Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

PBT: persistent, bioaccumulative, toxic

vPvB: very persistent, very bioaccumulative

ADR: Accord européen sur le transport 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

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

vPvB: very Persistent and very Bioaccumulative

Met. Corr.1: Corrosive to metals, Hazard Category 1

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Safety data sheet
according to 1907/2006/EC, Article 31

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Trade name: ACTICIDE LA

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Acute Tox. 3: Acute toxicity, Hazard Category 3
Acute Tox. 4: Acute toxicity, Hazard Category 4
Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
Skin Sens. 1A: Sensitisation - Skin, Hazard Category 1A
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
Aquatic Acute 1: Hazardous to the aquatic environment - Acute Hazard, Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

• Key literature references and sources for data:

Further information regarding physical-chemical, toxicological and ecotoxicological properties of the substances contained, can be taken from the data set for the substance (<http://echa.europa.eu/en/>).

Data source(s): Biocidal product dossier(s)

• * Data altered since the previous version.

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