

# SAFETY DATA SHEET

In accordance with 1907/2006 annex II 2015/830 and 1272/2008  
(All references to EU regulations and directives are abbreviated into only the numeric term)  
Issued 2019-11-13  
Version number 1.0

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

### 1.1. Product identifier

Trade name PoolClear, Clear my pool water

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Flocculating agent

### 1.3. Details of the supplier of the safety data sheet

Company BioCool AB  
Box 55626  
102 14 Stockholm  
Sweden  
Telephone +46 (0)910-21 50 70  
E-mail kontakt@biocool.se

### 1.4. Emergency telephone number

Acute cases: Call 112, request poison information.

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Upon assessment, this mixture is not classified as hazardous according to 1272/2008

### 2.2. Label elements

Hazard pictogram Not applicable  
Signal word Not applicable  
Hazard statement Not applicable  
Precautionary statement Not applicable

### Supplemental hazard information

EUH208 Contains 2-METHYLISOTHIAZOL-3(2H)-ONE. May produce an allergic reaction.

### 2.3. Other hazards

This product does not contain any substances that are assessed to be a PBT or a vPvB

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Note that the table shows known hazards of the ingredients in pure form. These hazards are reduced or eliminated when mixed or diluted, see Section 16d.

Constituent	Classification	Concentration
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Constituent	Classification	Concentration
<b>2-METHYLISOTHIAZOL-3(2H)-ONE</b>		
CAS No: 2682-20-4 EC No: 220-239-6 Index No: 613-326-00-9 REACH: 01-2120764690-50	Acute Tox <i>2dust-mist</i> , Acute Tox <i>3dermal</i> , Acute Tox <i>3oral</i> , Skin Corr 1B, Eye Dam 1, Skin Sens 1A, Aquatic Acute 1; <i>M = 10</i> , Aquatic Chronic 1; <i>M = 1</i> ; H330, H311, H301, H314, EUH071, H318, H317, H400, H410	≥0.00015 - <0.0015 %

Explanations to the classification and labelling of the ingredients are given in Section 16e. Official abbreviations are printed in normal font. Text in italics are specifications and/or complements used in the calculation of the classification of this mixture, see Section 16b.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### Generally

In case of concern, or if symptoms occur, call a doctor/physician.

#### Upon breathing in

Fresh air and rest. If symptoms persist seek medical advice.

#### Upon eye contact

Rinse the eye for several minutes with lukewarm water. If irritation persists call a doctor.

#### Upon skin contact

Normal washing of the skin is considered sufficient; If nevertheless symptoms do occur, contact a physician.

#### Upon ingestion

Rinse nose, mouth and throat with water.

Get medical attention if you feel unwell.

### 4.2. Most important symptoms and effects, both acute and delayed

#### Upon eye contact

Splashes in eyes may cause burning pain.

#### Upon skin contact

Allergic reactions can occur in sensitized individuals.

#### Upon ingestion

Ingestion of larger quantities of product may cause discomfort or it may impact the general health condition.

### 4.3. Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

## SECTION 5: Fire-fighting measures

### 5.1. Extinguishing media

Extinguish with water mist, powder, carbon dioxide or alcoholresistant foam.

### 5.2. Special hazards arising from the substance or mixture

In case of fire, substances hazardous to health, or substances harmful in other respects, may be dispersed.

### 5.3. Advice for fire-fighters

Protective measures should be taken regarding other material at the site of the fire.

In case of fire use a respirator mask.

Wear full protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Avoid inhalation and exposure to skin and eyes.

Use recommended safety equipment, see section 8.

Ensure good ventilation.

Note that there is a risk of slipping if product is leaking/spilling.

### 6.2. Environmental precautions

Avoid emissions into soil, water or air.

### 6.3. Methods and material for containment and cleaning up

Absorb the liquid with an inert absorbent, vermiculite, for example. Collect the material for disposal at a waste disposal facility.

Small spills can be wiped up with a cloth or similar. Then flush the spill site with water. Larger spills should first be covered with sand or earth and then be collected. Collected material should be disposed according to Section 13.

### 6.4. Reference to other sections

See section 8 and 13 for personal protection equipment and disposal considerations.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Store this product separately from food items and keep it out of the reach of children and pets.

Avoid spillage, inhalation and contact with eyes and skin.

Work in order to avoid spillage. If spillage does occur, address it immediately in accordance with the directions specified in Section 6 of this safety data sheet.

Do not eat, drink or smoke in premises where this product is handled.

Wash your hands after using the product.

Handle in premises which have modern ventilation standards.

Treat the substance as potentially harmful to health.

Remove contaminated clothing.

Wash contaminated clothing before reuse.

The usual precautions for handling chemicals should be observed.

### 7.2. Conditions for safe storage, including any incompatibilities

This product should be stored well out of reach of young children and kept safely apart from products intended for consumption.

Keep out of reach for children.

Store separately from food and animal fodder, incl. utensils or surfaces which have been in contact with these things.

Always use sealed and visibly labeled packages.

Store in dry and cool area.

### 7.3. Specific end uses

See identified uses in Section 1.2.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. National limit values

##### Aluminium, metal and oxides

##### United Kingdom (EH40/2005)

Time-weighted-average exposure limit (TWA) 10 mg/m<sup>3</sup> (Inhalable dust)

Short term exposure limit (STEL) 4 mg/m<sup>3</sup> (Respirable dust)

##### SILICON DIOXIDE

##### United Kingdom (EH40/2005)

Time-weighted-average exposure limit (TWA) 0.1 mg/m<sup>3</sup> (Respirable dust)

**DNEL****2-METHYLISOTHIAZOL-3(2H)-ONE**

	Type of exposure	Route of exposure	Value
Worker	Acute	Inhalation	0.043 mg/m <sup>3</sup>
	Local		
Worker	Chronic	Inhalation	0.021 mg/m <sup>3</sup>
	Local		
Consumer	Acute	Inhalation	0.043 mg/m <sup>3</sup>
	Local		
Consumer	Acute Systemic	Oral	0.053 mg/kg bw
Consumer	Chronic	Inhalation	0.021 mg/m <sup>3</sup>
	Local		
Consumer	Chronic Systemic	Oral	0.027 mg/kg bw

**PNEC****2-METHYLISOTHIAZOL-3(2H)-ONE**

Environmental protection target	PNEC value
Fresh water	3.39 µg/L
Marine water	3.39 µg/L
Microorganisms in sewage treatment	230 µg/L
Soil (agricultural)	0.0471 mg/kg dw
Intermittent	3.39 µg/L

**8.2. Exposure controls**

No special measures need to be taken in the event of normal handling or use.

**8.2.1. Appropriate engineering controls**

Handle in premises which have modern ventilation standards.

**Eye/face protection**

Eye protection should be worn if there is any danger of direct exposure or splashing.

**Skin protection**

During normal use hand protection is not necessary, but it is recommended during repeated/prolonged contact with the product. Recommended glove material: nitrile, butyl or rubber.

**Respiratory protection**

Respiratory protection is not normally required.

Protective breathing equipment should only be required in extreme work-situations. Consult the manufacturer if this is the case.

**8.2.3. Environmental exposure controls**

For limiting environmental exposure, see section 12.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

a) Appearance	Form: liquid.
b) Odour	Not indicated
c) Odour threshold	Not indicated
d) pH	Not indicated
e) Melting point/freezing point	Not indicated
f) Initial boiling point and boiling range	Not indicated
g) Flash point	Not indicated
h) Evaporation rate	Not indicated
i) Flammability (solid, gas)	Not flammable
j) Upper/lower flammability or explosive limits	Not indicated
k) Vapour pressure	Not indicated
l) Vapour density	Not indicated
m) Relative density	Not indicated
n) Solubility	Solubility in water: Soluble
o) Partition coefficient: n-octanol/water	Not applicable
p) Auto-ignition temperature	Not indicated
q) Decomposition temperature	Not indicated
r) Viscosity	Not indicated
s) Explosive properties	Not explosive
t) Oxidising properties	Not oxidizing

### 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product contains no substances which can lead to hazardous reactions at normal use.

### 10.2. Chemical stability

The product is stable at normal storage and handling conditions.

### 10.3. Possibility of hazardous reactions

No hazardous reactions known during normal use.

### 10.4. Conditions to avoid

None in particular.

### 10.5. Incompatible materials

None known.

### 10.6. Hazardous decomposition products

None under normal conditions.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Not indicated.

#### Acute toxicity

The product is not classified as acutely toxic.

#### 2-METHYLISOTHIAZOL-3(2H)-ONE

LD50 rat 24h: > 2000 mg/kg Dermally

LD50 rat 24h: > 2000 mg/kg Orally

#### Skin corrosion/irritation

The product is neither corrosive nor irritant.

#### Serious eye damage/irritation

The product is not classified as irritant to the eyes.

**Respiratory or skin sensitisation**

The product contains a low level of allergenic substance.  
Hypersensitive reactions cannot be ruled out for persons who are overtly sensitive.  
The criteria for classification cannot be considered fulfilled based on available data.

**Germ cell mutagenicity**

The product is not classified as mutagen.

**Carcinogenicity**

The product is not classified as carcinogenic.

**Reproductive toxicity**

The product is not classified as a reproductive toxicant .

**STOT-single exposure**

No known hazards for occasional exposure.

**STOT-repeated exposure**

No known hazards for repeated exposure.

**Aspiration hazard**

The product is not classified as being toxic for aspiration.

## SECTION 12: Ecological information

**12.1. Toxicity**

The product is not to be labelled as a environmental hazard. However, it is not inconceivable that large emissions, or repeated small emissions, can have a harmful effect on the environment.  
Avoid larger spills in soil, water and drains.

**2-METHYLISOTHIAZOL-3(2H)-ONE**

LC50 Rainbow trout (*Oncorhynchus mykiss*) 96h: 6 mg/l  
EC50 Freshwater water flea (*Daphnia magna*) 48 h: 1.68 mg/l  
EC50 Algae (*Scenedesmus subspicatus*) 72h: 0.445 mg/l

**12.2. Persistence and degradability**

The product degrades in the natural environment.

**12.3. Bioaccumulative potential**

This product or its constituents are not expected to accumulate in nature.

**12.4. Mobility in soil**

The product is miscible with water and is therefore variable in soil and water.

**12.5. Results of PBT and vPvB assessment**

This product does not contain any substances that are assessed to be a PBT or a vPvB.

**12.6. Other adverse effects**

No known effects or hazards.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Waste handling of the product

Avoid larger spills of undiluted product in drains. Smaller quantities of undiluted product can be washed into drains.  
The product is not classified as hazardous waste.  
Empty, rinsed packaging is sent for recycling where practicable.  
Observe local regulations or contact the supplier for further information.  
See also national waste regulations.

#### Classification according to 2008/98

Recommended LoW-code: 20 01 99 Other fractions not otherwise specified

## SECTION 14: Transport information

Where not otherwise stated the information applies to all of the UN Model Regulations, i.e. ADR (road), RID (railway), ADN (inland waterways), IMDG (sea), and ICAO (IATA) (air).

### 14.1. UN number

Not classified as dangerous goods

### 14.2. UN proper shipping name

Not applicable

### 14.3. Transport hazard class(es)

Not applicable

### 14.4. Packing group

Not applicable

### 14.5. Environmental hazards

Not applicable

### 14.6. Special precautions for user

Not applicable

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

### 14.8 Other transport information

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Not indicated.

### 15.2. Chemical safety assessment

Assessment and chemical safety report in accordance with 1907/2006 Annex I has not yet been performed.

## SECTION 16: Other information

### 16a. Indication of where changes have been made to the previous version of the safety data sheet

#### Revisions of this document

This is the first version

### 16b. Legend to abbreviations and acronyms used in the safety data sheet

#### Full texts for Hazard Class and Category Code mentioned in section 3

Acute Tox 2 <i>dust-mist</i>	Acute toxicity (Category 2 dust/mist)
Acute Tox 3 <i>dermal</i>	Acute toxicity (Category 3 skin)
Acute Tox 3 <i>oral</i>	Acute toxicity (Category 3 oral)
Skin Corr 1B	Corrosive (Category 1B)
Eye Dam 1	Irreversible Eye Effects (Category 1)
Skin Sens 1A	May cause an allergic skin reaction (Category 1A)
Aquatic Acute 1; <i>M = 10</i>	Very toxic to aquatic life (Category Acute 1 M=10)
Aquatic Chronic 1; <i>M = 1</i>	Very toxic to aquatic life with long lasting effects to aquatic environments (Category Chronic 1)

#### Explanations of the abbreviations in Section 14

ADR European Agreement concerning the International Transport of Dangerous Goods by Road

RID Regulations concerning the International Transport of Dangerous Goods by Rail

IMDG International Maritime Dangerous Goods Code

ICAO International Civil Aviation Organization (ICAO, 999 University Street, Montreal, Quebec H3C 5H7, Canada)

IATA The International Air Transport Association

### 16c. Key literature references and sources for data

#### Sources for data

Primary data for the calculation of the hazards has preferentially been taken from the official European classification list, 1272/2008 Annex I, as updated to 2019-11-13.

Where such data was not available, alternative documentation used to establish the official classification was used, e.g. IUCLID (International Uniform Chemical Information Database). As a second alternative, information was used from reputable international chemical industries, and as a third alternative other available information was used, e.g. material safety data sheets from other suppliers or information from non-profit associations, where reliability of the source was assessed by expert opinion. If, in spite of this, reliable information could not be sourced, the hazards were assessed by expert opinions based on the known hazards of similar substances, and according to the principles in 1907/2006 and 1272/2008.

#### Full texts for Regulations mentioned in this Safety Data Sheet



- 1907/2006 REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC
- 2015/830 COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
- 1272/2008 REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
- EH40/2005 EH40/2005 Workplace exposure limits
- 2008/98 DIRECTIVE 2008/98/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 19 November 2008 on waste and repealing certain Directives
- 1907/2006 REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

**16d. Methods of evaluating information referred to in 1272/2008 Article 9 which was used for the purpose of classification**

Hazard calculation for this mixture has been performed as a cumulative assessment with the aid of expert assessments in accordance with 1272/2008 Annex I, where all available information which may be significant to establishing the hazards of the mixture was assessed together, and in accordance with 1907/2006 Annex XI.

**16e. List of relevant hazard statements and/or precautionary statements  
Full texts for hazard statements mentioned in section 3**

- H330 Fatal if inhaled
- H311 Toxic in contact with skin
- H301 Toxic if swallowed
- H314 Causes severe skin burns and eye damage
- EUH071 Corrosive to the respiratory tract
- H318 Causes serious eye damage
- H317 May cause an allergic skin reaction
- H400 Very toxic to aquatic life
- H410 Very toxic to aquatic life with long lasting effects

**16f. Advice on any training appropriate for workers to ensure protection of human health and the environment  
Warning for misuse**

This product is not expected to cause severe harm to humans or the environment. However the manufacturer, the distributor or the supplier cannot be responsible for unusual or criminal use of the product.

**Other relevant information**

Not indicated

**Editorial information**



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