

SAFETY DATA SHEET

This safety datasheet complies with the requirements of Regulation (EC) No. 453/2010



Octolite TMQ-50

Revision Date 13.07.2015

Supersedes -

Print Date 13.02.2017

Version 1.0

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

1.1 Product identifier

Trade name : Octolite TMQ-50

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

Use of the Substance/Mixture : Raw material, Industrial use

1.3 Details of the supplier of the safety data sheet

Company : TRCC Europe GmbH
Am Gut Baarking 12
D-46395 Bocholt, GERMANY
Telephone : +49 2871 234760
Telefax : +49 2871 2347644
E-mail address : sales@trcc-europe.com

1.4 Emergency telephone number

Global coverage (except for the regions detailed separately) : +44 (0) 1235 239 670
China : +86 10 5100 3039
Malaysia : +60 3 6207 4347

Country	EU poison centres	National Numbers
Austria	Vergiftungsinformationszentrale (Poisons Information Centre)	+43 1 406 43 43
Belgium	Centre Antipoisons-Antigifcentrum	+32 70245245
Bulgaria	National Toxicological Information Centre at National Clinical Toxicology Centre	+359 2 9154 233
Croatia	Poison Control Centre Zagreb	+385 1 2348342
Czech Republic	Toxicological Information Centre	+420 224 919 293
Denmark	Poison Information Center	+45 82 12 12 12
Estonia	Estonian Poison Information Centre	+372 626 93 90
Finland	Finnish Poison Information Centre	+358 9 471977
France	Centre Antipoison et de Toxicovigilance de Angers	+33 2 41 35 33 30
Hungary	Health Toxicological Information Service	+36 80 20 11 99
Iceland	Iceland Poison Information Centre	+354 543 8223 +353 1 837 9964
Ireland	Poisons Information Centre of Ireland	(medical professionals) +353 1 809 2166 (public)
Latvia	Valsts Toksikoloģijas centrs	+371 67042473
Lithuania	Lithuania Poisons Control and Information Bureau	+370 5 236 20 52/+370 687 533 78
Malta	Mater Dei Hospital	+60 2545 0000 +31 30 274 88 88 (alleen voor professionele hulpverleners in geval van calamiteiten)
Netherlands	Nationaal Vergiftigingen Informatie Centrum (NVIC), de Nederland	+47 22 59 13 00
Norway	Department for Poisons Information	

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Portugal	CIAV - Centro de Informaao Antivenenos	+351 808 250 143
Slovakia	National Toxicological Information Center	+421 2 54 774 166
Spain	Instituto Nacional de Toxicologia	+34 156 20420
Sweden	Giftinformationscentralen (Swedish Poisons Information Centre)	+46 8 33 12 31 / 112

SECTION 2. Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Chronic aquatic toxicity, Category 3 H412: Harmful to aquatic life with long lasting effects.

Classification (67/548/EEC, 1999/45/EC)

This mixture is not classified as dangerous according to Directive 1999/45/EC.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard statements	: H412	Harmful to aquatic life with long lasting effects.
Precautionary statements	: Prevention: P273	Avoid release to the environment.
	: Response: P391	Collect spillage.

2.3 Other hazards

This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). Repeated or prolonged exposure may cause irritation of eyes and skin.

SECTION 3. Composition/information on ingredients

3.2 Mixtures

Chemical nature : aqueous dispersion
Antioxidant

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
1,2-Dihydro-2,2,4-	26780-96-1	R52/53	Aquatic Chronic 3;	<= 50

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trimethylquinoline, oligomers	500-051-3		H412	
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For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4. First aid measures

4.1 Description of first aid measures

- General advice : Get medical attention if symptoms occur.
- : Show this safety data sheet to the doctor in attendance.
- If inhaled : Remove person to fresh air. If signs/symptoms continue, get medical attention.
- In case of skin contact : Wash off immediately with soap and plenty of water.
- : Remove contaminated clothing. If irritation develops, get medical attention.
- : Wash contaminated clothing before reuse.
- In case of eye contact : Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.
- If swallowed : If accidentally swallowed obtain immediate medical attention.
- : Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Ingestion may provoke the following symptoms:

Nausea

Repeated or prolonged exposure may cause irritation of eyes and skin.

4.3 Indication of any immediate medical attention and special treatment needed

No information available.

SECTION 5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : none

5.2 Special hazards arising from the substance or mixture

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Combustion products
Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).
nitrogen oxides (NOx)

5.3 Advice for firefighters

Use personal protective equipment.
The product itself does not burn.
Prevent fire extinguishing water from contaminating surface water or the ground water system.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

6.2 Environmental precautions

The product should not be allowed to enter drains, water courses or the soil.

6.3 Methods and materials for containment and cleaning up

Clean-up methods - large spillage
Prevent further leakage or spillage if safe to do so.
Large spills should be collected mechanically (remove by pumping) for disposal.
Dispose of in accordance with local regulations.
Clean-up methods - small spillage
Prevent further leakage or spillage if safe to do so.
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Pick up and transfer to properly labelled containers.
Clean contaminated floors and objects thoroughly while observing environmental regulations.
Dispose of in accordance with local regulations.

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7. Handling and storage

7.1 Precautions for safe handling

Wear personal protective equipment.
For personal protection see section 8.
Avoid inhalation, ingestion and contact with skin and eyes.
Do not use in areas without adequate ventilation.
Smoking, eating and drinking should be prohibited in the application area.

7.2 Conditions for safe storage, including any incompatibilities

Store in original container.
Keep in properly labelled containers.

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Keep in a dry, cool place.

7.3 Specific end uses

Consult the technical guidelines for the use of this substance/mixture.

SECTION 8. Exposure controls/personal protection

8.1 Control parameters

Components with workplace control parameters below limit for consideration

DNEL

1,2-Dihydro-2,2,4-trimethylquinoline, oligomers

: End Use: Workers
Exposure routes: Skin contact
Potential health effects: Long term, Systemic toxicity
1 mg/kg

End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long term, Systemic toxicity
Value: 7 mg/m³

End Use: Consumers
Exposure routes: Skin contact
Potential health effects: Long term, Systemic toxicity
0.6 mg/kg

End Use: Consumers
Exposure routes: Inhalation
Potential health effects: Long term, Systemic toxicity
Value: 1.8 mg/m³

End Use: Consumers
Exposure routes: Ingestion
Potential health effects: Long term, Systemic toxicity
0.6 mg/kg

PNEC

1,2-Dihydro-2,2,4-trimethylquinoline, oligomers

: Fresh water
Value: 0.056 mg/l

Marine water
Value: 0.0056 mg/l

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Intermittent use/release

Value: 0.56 mg/l

Impact on Sewage Treatment

Value: 100 mg/l

Fresh water sediment

Value: 21 mg/kg

Marine sediment

Value: 2.1 mg/kg

Soil

Value: 4.2 mg/kg

Oral

Value: 8 mg/kg

8.2 Exposure controls

Engineering measures

Use adequate ventilation and/or engineering controls in high temperature processing to prevent exposure to vapours.

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

- Respiratory protection : In the case of dust or aerosol formation use respirator with an approved filter.
- : When using this product at elevated temperatures, wear a respirator with a vapour filter (see section 8).
- Hand protection : Protective gloves complying with EN 374.
- Eye protection : Safety glasses with side-shields conforming to EN166
- Skin and body protection : Wear suitable protective clothing.
- : Skin should be washed after contact.
- : Remove and wash contaminated clothing before re-use.
- Hygiene measures : Wash hands before breaks and immediately after handling the product.
- : When using do not eat, drink or smoke.
- Protective measures : Ensure that eye flushing systems and safety showers are located close to the working place.

Environmental exposure controls

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General advice:

The product should not be allowed to enter drains, water courses or the soil.

SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: liquid
Colour	: tan
Odour	: characteristic
Odour Threshold	: not determined
pH	: 9.5 - 10.5
Melting point/freezing point	: No data available
Boiling point	: No data available
Flash point	: not applicable
Evaporation rate	: No data available
Flammability (solid, gas)	: The product is not flammable.
Vapour pressure	: 23 hPa, at 20 °C
Relative density	: 0.9 - 1.1
Water solubility	: insoluble, completely miscible, in all proportions
Partition coefficient: n-octanol/water	: No data available
Ignition temperature	: not applicable
Viscosity, dynamic	: No information available.
Explosive properties	: not applicable
Oxidizing properties	: not applicable

9.2 Other information

No information available.

SECTION 10. Stability and reactivity

10.1 Reactivity

Stable

10.2 Chemical stability

Stable under normal conditions.

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10.3 Possibility of hazardous reactions

None known.

10.4 Conditions to avoid

Protect from frost, heat and sunlight.

10.5 Incompatible materials

10.6 Hazardous decomposition products

Stable under normal conditions.

SECTION 11. Toxicological information

11.1 Information on toxicological effects

No data is available on the product itself. Information given is based on data on the components and the toxicology of similar products.

Components:

1,2-Dihydro-2,2,4-trimethylquinoline, oligomers:

Acute oral toxicity	: LD50 Oral: > 2,000 mg/kg, rat
Acute inhalation toxicity	: No data available
Acute dermal toxicity	: LD50 Dermal: > 20,000 mg/kg, Rabbit
Skin corrosion/irritation	: No skin irritation
Serious eye damage/eye irritation	: Mild eye irritation
Respiratory or skin sensitization	: Does not cause skin sensitization.
Genotoxicity in vitro	: No data available
Genotoxicity in vivo	: No data available
Carcinogenicity	: No data available
Reproductive toxicity	: No data available
STOT - single exposure	: No data available
STOT - repeated exposure	: No data available

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SECTION 12. Ecological information

12.1 Toxicity

Product:

Ecotoxicology Assessment

Acute aquatic toxicity : No data is available on the product itself.

Chronic aquatic toxicity : No data is available on the product itself.

Components:

1,2-Dihydro-2,2,4-trimethylquinoline, oligomers:

Toxicity to fish : LC0: 50 mg/l, 92 h, Danio rerio (zebra fish)

Toxicity to daphnia and other aquatic invertebrates : No data available

Toxicity to algae : No data available

Toxicity to fish (Chronic toxicity) : No data available

Toxicity to daphnia and other aquatic invertebrates. (Chronic toxicity) : No data available

12.2 Persistence and degradability

Components:

1,2-Dihydro-2,2,4-trimethylquinoline, oligomers:

Biodegradability : Not readily biodegradable.

12.3 Bioaccumulative potential

Product:

Bioaccumulation : No data available

Components:

1,2-Dihydro-2,2,4-trimethylquinoline, oligomers:

Bioaccumulation : Cyprinus carpio (Carp), Bioconcentration factor (BCF): 108 - 1,300

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12.4 Mobility in soil

Product:

Distribution among environmental compartments : No data available

Physico-chemical removability : Can be eliminated from water by flocculation.

Components:

1,2-Dihydro-2,2,4-trimethylquinoline, oligomers:

Distribution among environmental compartments : Medium: Soil, No data available

12.5 Results of PBT and vPvB assessment

Product:

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

Components:

1,2-Dihydro-2,2,4-trimethylquinoline, oligomers:

Assessment : No data available

12.6 Other adverse effects

Product:

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SECTION 13. Disposal considerations

13.1 Waste treatment methods

In accordance with local and national regulations.
The product should not be allowed to enter drains, water courses or the soil.
Waste water from subsequent processing should be given appropriate treatment in line with local regulations.

Contaminated packaging : In accordance with local and national regulations.

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SECTION 14. Transport information

14.1 UN number

ADR

Not dangerous goods

RID

Not dangerous goods

IMDG

Not dangerous goods

14.2 Proper shipping name

ADR

Not dangerous goods

RID

Not dangerous goods

IMDG

Not dangerous goods

14.3 Transport hazard class

ADR

Not dangerous goods

RID

Not dangerous goods

IMDG

Not dangerous goods

14.4 Packing group

ADR

Not dangerous goods

RID

Not dangerous goods

IMDG

Not dangerous goods

14.5 Environmental hazards

ADR

Not dangerous goods

RID

Not dangerous goods

IMDG

Not dangerous goods

14.6 Special precautions for user

Not classified as dangerous in the meaning of transport regulations.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

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not applicable

SECTION 15. Regulatory information

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

Water contaminating class (Germany) : WGK 2 water endangering
Classification according VwVwS, Annex 4.

Other regulations : This mixture is not classified as dangerous according to Directive 1999/45/EC.
: This mixture contains only ingredients which have been subject to a pre-registration according to Regulation (EC) No. 1907/2006 (REACH).

15.2 Chemical Safety Assessment

not applicable

SECTION 16. Other information

Full text of R-phrases referred to under sections 2 and 3.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Full text of H-Statements referred to under sections 2 and 3.

H412 Harmful to aquatic life with long lasting effects.

Further information

This data sheet contains changes from the previous version in section(s):

1. Identification of the substance/mixture and of the company/undertaking
2. Hazards identification
3. Composition/information on ingredients
4. First aid measures
5. Fire-fighting measures
6. Accidental release measures
7. Handling and storage
8. Exposure controls/personal protection
9. Physical and chemical properties
10. Stability and reactivity
11. Toxicological information
12. Ecological information
13. Disposal considerations
14. Transport information
15. Regulatory information
16. Other information

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