Safety Data Sheet
according to P.U.(A) 310/2013

Printing date 12.12.2025 Version number 25 Revision: 12.12.2025

1 Identification of the hazardous chemical and of the supplier

· **Product identifier**

· **Trade name** **Murafan 39**

· **Recommended use of the chemical and restrictions on use** No further relevant information available.

· **Application of the substance / the mixture** Dispersion
Concrete/Mortar admixtures

· **Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:** MC-Bauchemie Müller GmbH & Co. KG
Am Kruppwald 1-8
D-46238 Bottrop
Tel.: +49(0)2041-101-0
Fax.: +49(0)2041-101-400
E-Mail: info@mc-bauchemie.de

MC-Bauchemie AG
Siloring 8
CH-5606 Dintikon
Tel. +41 56 616 68 68
Fax +41 56 616 68 69

· **Informing department:** msds@mc-bauchemie.de

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2 Hazard identification

· **Classification of the substance or mixture**

Skin Sens. 1 H317 May cause allergic skin reaction.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

· **Label elements**

· **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).

· **Hazard pictograms**

GHS07

· **Signal word** Warning

· **Hazard-determining components of labelling:** 2-Octyl-2H-isothiazol-3-on

· **Hazard statements**
H317 May cause allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.

· **Precautionary statements**
P261 Avoid breathing dust/fume/ gas/mist/vapours/spray.
P273 Avoid release to the environment.
P280 Wear protective gloves.
P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.

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P363 Wash contaminated clothing before reuse.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Other hazards**
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable
· **vPvB:** Not applicable

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3 Composition and information of the ingredients of the hazardous chemical

· **Chemical characterisation: Mixtures**
· **Description:** Mixture consisting of the following components.

· **Dangerous components:**		
CAS: 26530-20-1	2-Octyl-2H-isothiazol-3-on Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 2, H330; Skin Corr. 1, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1, H317	≥0.0025-<0.025%

4 First-aid measures

· **Description of first aid measures**
· **General information** For all first aid measures: observe self-protection and consult a doctor!
· **After inhalation** Take the person out into the fresh air.
· **After skin contact** Remove heavily soiled clothing.
Clean with plenty of water.
Do not use thinner or similar.
· **After eye contact** Rinse for 10 minutes under running water with the eyelids open or use eye rinsing solution. Always consult an ophthalmologist!
· **After swallowing** Do not induce vomiting.
Drink plenty of water in small sips.

5 Fire-fighting measures

· **Extinguishing media**
· **Suitable extinguishing agents** Void
· **Special hazards arising from the substance or mixture** No further relevant information available.
· **Advice for firefighters**
· **Protective equipment:** No special measures required.

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6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures** Not required
· **Environmental precautions:** Dilute with much water.
· **Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
· **Reference to other sections** No dangerous materials are released.

7 Handling and storage

· **Handling**
· **Precautions for safe handling** No special measures required.
No special precautions necessary if used correctly.

· **Conditions for safe storage, including any incompatibilities**
· **Storage**
· **Requirements to be met by storerooms and containers:** Protect containers from frost!
Only store in the original container or in containers recommended by the manufacturer.
After decanting, label containers as original containers.
Do not store in break rooms, recreation rooms or sanitary facilities as well as in stairwells, corridors, escape and rescue routes, passages, passageways and confined spaces.
· **Further information about storage conditions:** None.
· **Storage class** 12

8 Exposure controls and personal protection

· **Additional information about design of technical systems:** No further data; see section 7.

· **Control parameters**
· **Components with critical values that require monitoring at the workplace:** The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
· **Additional information:** The lists that were valid during the compilation were used as basis.

· **Exposure controls**
· **Personal protective equipment**
· **General protective and hygienic measures** Do not store any foodstuffs or eat, drink, snuff or smoke in the work area!
Avoid contact with eyes and skin!

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Preventively apply skin protection ointment to facilitate skin cleansing.
Remove product residues from the skin!
Clean hands thoroughly at the end of work and before cleaning!
Remove product residues from the skin with a suitable cleaning agent - never use solvents or thinners to clean the skin!
Use skin care products after work (moisturising cream).

· **Breathing equipment:** *For spraying processes:*
Particle filter P2 (white)

· **Protection of hands:** *Gloves made of: Natural latex, polychloroprene, nitrile rubber.*
(Category 3 chemical protective gloves, recognisable by the CE mark with four-digit test number).
When wearing protective gloves, cotton undergloves are recommended.

· **Material of gloves** *Natural latex, polychloroprene, nitrile rubber.*

· **Penetration time of glove material** *The exact breakthrough time must be obtained from the protective glove manufacturer and must be observed.*

· **Eye protection:** *Frame glasses*

· **Body protection:** *Protective work clothing.*

9 Physical and chemical properties

· **Information on basic physical and chemical properties**	
· **General Information**	
· **Appearance:**	
Form:	*Fluid*
Colour:	*Whitish*
· **Smell:**	*Characteristic*
· **pH-value:**	*Not determined*
· **Change in condition**	
Melting point/freezing point	*~0 °C*
Initial boiling point and boiling range	*100 °C*
· **Flash point:**	*Not applicable*
· **Ignition temperature:**	*Product is not selfigniting.*
· **Explosive properties:**	*Product is not explosive.*
· **Steam pressure at 20 °C:**	*23 hPa*
· **Density at 20 °C**	*1.01 g/cm³*
· **Solubility in / Miscibility with**	
Water:	*Fully miscible*
· **Viscosity:**	
dynamic at 20 °C:	*250 mPas*

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kinematic:	Not determined
· **Other information**	No further relevant information available.

10 Stability and reactivity

· **Reactivity** No further relevant information available.
· **Chemical stability**
· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
· **Possibility of hazardous reactions** No dangerous reactions known
· **Conditions to avoid** No further relevant information available.
· **Incompatible materials:** No further relevant information available.
· **Hazardous decomposition products:** No dangerous decomposition products known

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11 Toxicological information

· **Information on toxicological effects**
· **Acute toxicity**

· **LD/LC50 values that are relevant for classification:**

CAS: 26530-20-1 2-Octyl-2H-isothiazol-3-on

Oral	LD50	125 mg/kg (ATE)
		500 mg/kg (rat)
Dermal	LD50	311 mg/kg (ATE)
		>2000 mg/kg (rat)
Inhalative	LC50/4 h	0.27 mg/l (ATE)
		0.6 mg/l (rat)

· **Primary irritant effect:**
· **Serious eye damage or eye irritation** No irritant effect.
· **Respiratory / skin sensitization** No sensitizing effect known.
· **Additional toxicological information:** The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

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12 Ecological information

· **Toxicity**

· **Aquatic toxicity:**	
CAS: 26530-20-1 2-Octyl-2H-isothiazol-3-on	
EC50/48h	0.42 mg/l (Daphnien)

· **Persistence and degradability** No further relevant information available.
· **Behaviour in environmental systems:**
· **Bioaccumulative potential** No further relevant information available.
· **Mobility in soil** No further relevant information available.
· **Additional ecological information:**
· **General notes:** Do not allow product to reach ground water, water bodies or sewage system.
Danger to drinking water if even small quantities leak into soil.
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable
· **vPvB:** Not applicable
· **Other adverse effects** No further relevant information available.

13 Disposal information

· **Waste treatment methods**
· **Recommendation** Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packagings:**
· **Recommendation:** Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.
· **Recommended cleaning agent:** Water, if necessary with cleaning agent.

14 Transportation information

· **UN-Number**	
· **ADR, ADN, IMDG, IATA**	Void
· **UN proper shipping name**	
· **ADR, ADN, IMDG, IATA**	Void
· **Transport hazard class(es)**	
· **ADR, ADN, IMDG, IATA**	
· **Class**	Void
· **Packing group**	
· **ADR, IMDG, IATA**	Void

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· **Environmental hazards:**	
· **Marine pollutant:**	No
· **Special precautions for user**	Not applicable
· **Transport in bulk according to Annex II of Marpol and the IBC Code**	Not applicable
· **Transport/Additional information:**	Not dangerous according to the above specifications.
· **UN "Model Regulation":**	Void

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15 Regulatory information

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

· **EHS reference list**	
CAS: 26530-20-1	2-Octyl-2H-isothiazol-3-on

· **Directive 2012/18/EU**
· **Named dangerous substances - ANNEX I** None of the ingredients is listed.
· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing data specification sheet:** Environment protection department.
· **Contact:**
· **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
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
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
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 3: Acute toxicity - oral – Category 3
Acute Tox. 2: Acute toxicity - oral – Category 2
Skin Corr. 1: Skin corrosion or irritation – Category 1
Eye Dam. 1: Serious eye damage or eye irritation – Category 1

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Skin Sens. 1: Skin sensitization – Category 1
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 3: Hazardous to the aquatic environment - chronic hazard – Category 3

· **** Data compared to the previous version altered.***