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

Printing date 22.11.2025 Version number 36 Revision: 22.11.2025

1 Identification of the hazardous chemical and of the supplier

· **Product identifier**

· **Trade name** **MC-TechniFlow 11**
· **Recommended use of the chemical and restrictions on use** No further relevant information available.
· **Application of the substance / the mixture** 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

2 Hazard identification

· **Classification of the substance or mixture**
Skin Sens. 1 H317 May cause allergic skin reaction.

· **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.
· **Precautionary statements**
P261 Avoid breathing dust/fume/ gas/mist/vapours/spray.
P280 Wear protective gloves.
P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.
P321 Specific treatment (see on this label).
P363 Wash contaminated clothing before reuse.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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

3 Composition and information of the ingredients of the hazardous chemical

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

· **Dangerous components:**		
CAS: 126-71-6	triisobutyl phosphate Skin Sens. 1, H317	≥0.1-<0.5%
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	≥0.0015-<0.0025%

· **Additional information** For the wording of the listed hazard phrases refer to section 16.

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 contaminated clothing immediately.
Hold affected areas under cold running water for at least 15 minutes.
· **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** Drink plenty of water in small sips.
Do not induce vomiting.

5 Fire-fighting measures

· **Extinguishing media**
· **Suitable extinguishing agents** CO_2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
· **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** Avoid splashing.
Avoid dust development with powder products.
Limit the storage quantity at the workplace to one shift requirement.
Do not leave containers open.
Provide washing facilities in the work area.
Provide an eye shower or eyewash bottle.

· **Conditions for safe storage, including any incompatibilities**
· **Storage**
· **Requirements to be met by storerooms and containers:** Avoid splashing.
Avoid dust development with powder products.
Limit the storage quantity at the workplace to one shift requirement.
Do not leave containers open.
Provide washing facilities in the work area.
Provide an eye shower or eyewash bottle.

· **Information about storage in one common storage facility:** Combined storage bans apply from a total storage quantity of 200 kg.
Do not store together with substances of the following LGK: 1; 5.1A; 5.2; 6.2; 7
Storage with substances of the following LGK is only possible under the conditions specified in TRGS 510: 4.1A; 4.2; 4.3; 5.1C

· **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.

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· **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.

· **DNELs**		
CAS: 126-71-6 triisobutyl phosphate		
Oral	DNEL	2.13 mg/kg bw/Tag (ArL)
Dermal	DNEL	4.25 mg/kg bw/day (ArL)
Inhalative	DNEL	50 mg/m³ (ArL)

· **PNECs**	
CAS: 126-71-6 triisobutyl phosphate	
PNEC	3.72 mg/l (Kla)
	0.0011 mg/l (Mew)
	0.011 mg/l (Freshwater)
PNEC	0.308 mg/kg dwt (Bod)
	0.158 mg/kg dwt (Sediment)
	1.58 mg/kg dwt (Fresh water sediment)

· **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, skin and clothing!
Clean hands thoroughly after work and before cleaning!
Use skin care products after work (moisturising cream).
Change wet/uncleaned clothing immediately, place in water and only use again after cleaning!
· **Breathing equipment:** If the limit value is exceeded:
Combination filter A-P2 (brown/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** see "Hand protection"
· **Penetration time of glove material** The exact breakthrough time must be obtained from the protective glove manufacturer and must be observed.
· **Eye protection:** Gauze goggles

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· **Body protection:** Alkali-resistant protective clothing

9 Physical and chemical properties

· **Information on basic physical and chemical properties**	
· **General Information**	
· **Appearance:**	
Form:	Fluid
Colour:	Brown
· **Smell:**	Characteristic
· **pH-value at 20 °C:**	4.64
· **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**	1.15 g/cm³
· **Solubility in / Miscibility with**	
Water:	Fully miscible
· **Viscosity:**	
dynamic at 20 °C:	<100 mPas
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: 126-71-6 triisobutyl phosphate		
Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>5000 mg/kg (rabbit)
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: 126-71-6 triisobutyl phosphate	
EC50/24h	10-100 mg/l (Daphnia magna)
EC50/72h	10-100 mg/l (Scenedesmus subspicatus)
LC50/96h	>100 mg/l (Oncorhynchus mykiss)
	10-100 mg/l (Leucidus idus)
EC50	>100 mg/l (Pseudomonas putida)
NOEC	37 mg/l (BEL)
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.

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· **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 undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
· **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:** Disposal must be made according to official regulations.
· **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
· **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)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
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
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

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