

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

Printing date 11.09.2019

Version 5

Revision: 11.09.2019

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

· **1.1 Product identifier**

· **Trade name:** **Twinmax**
· **Document index:** TECH340
· **Article number:** 896004 (20-L)

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

· **Application of the substance / the mixture** Industrial use

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

· **Manufacturer/Supplier:** Steidle GmbH
Roettgerweg 12
D-51371 Leverkusen
GERMANY
Tel.: +49-(0)214/82511-25
Fax: +49-(0)214/82511-26

E-Mail: info@steidle-gmbh.de
Internet: www.steidle-gmbh.de

· **Further information obtainable from:** Department of technology: +49-(0)214/82511-12

· **E-mail of the informed person:** info@steidle-gmbh.de

· **1.4 Emergency telephone number:** see above or consult the next poison information department

SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**

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

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008**

· **Hazard pictograms**

· **Signal word**

· **Hazard statements**

· **Precautionary statements**

The product is classified and labelled according to the CLP regulation.

Void

Void

H412 Harmful to aquatic life with long lasting effects.

P273 Avoid release to the environment.

P280 Wear protective gloves.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Additional information:**

EUH208 Contains 3-Iodo-2-propynylbutylcarbamate. May produce an allergic reaction.

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:**

The criteria to identify an ingredient as a PBT substance in compliance with REACH are according to our information currently not available.

· **vPvB:**

The criteria to identify an ingredient as a vPvB substance in compliance with REACH are according to our information currently not available.

SECTION 3: Composition/information on ingredients

· **3.2 Chemical characterisation: Mixtures**

· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

	Alcholethoxylat	2.5-10%
	Acute Tox. 4, H302; Eye Irrit. 2, H319	
CAS: 68920-66-1 NLP: 500-236-9 Reg.nr.: 01-2119489407-26	Fatty alcohol, ethoxylated	2.5-10%
	Aquatic Chronic 2, H411; Skin Irrit. 2, H315	
CAS: 68920-66-1 NLP: 500-236-9	Fatty alcohol, ethoxylated	<1%
	Aquatic Acute 1, H400; Skin Irrit. 2, H315; Aquatic Chronic 3, H412	
CAS: 55406-53-6 EINECS: 259-627-5 Reg.nr.: 01-212076115-60	3-Iodo-2-propynylbutylcarbamate	<0.25%
	Acute Tox. 3, H331; STOT RE 1, H372; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1); Acute Tox. 4, H302; Skin Sens. 1, H317	

· **Additional information:**

Water-extendable metalworking fluid concentrate

For the wording of the listed risk phrases refer to section 16.

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SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
In case of occurring of symptoms or in doubt consult a doctor.
If a doctor is consulted show this material safety data sheet.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** Do not induce vomiting; seek medical treatment.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** CO₂, powder or water spray. Fight larger fire with alcohol resistant foam.
Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture** Under certain fire conditions, traces of other toxic gases cannot be excluded, e.g.:
Carbon monoxide (CO)
Nitrogen oxides (NO_x)
Sulphur dioxide (SO₂)
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information** Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Ensure adequate ventilation.
Particular danger of slipping on leaked/spilled product.
Avoid contact with the eyes and skin.
- **6.2 Environmental precautions:** Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
Do not allow to penetrate the ground/soil.
Keep contaminated washing water and dispose of appropriately.
- **6.3 Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.
- **6.4 Reference to other sections** See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Ensure good ventilation/exhaust at the workplace.
Open and handle receptacle with care.
Avoid contact with the eyes and skin.
Do not inhale fumes.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
Do not use galvanized receptacles.

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- **Information about storage in one common storage facility:** Store away from oxidising agents.
- **Further information about storage conditions:**
 - Protect from frost.
 - Store in cool, dry conditions in well sealed receptacles.
 - Protect from heat, direct sunlight and UV-rays.
 - Storage temperature: 5-40°C
 - Storage stability under the described conditions at least 6 months.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see section 7.
- **8.1 Control parameters**
- **Ingredients with limit 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 valid during the making were used as basis.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
 - The usual precautionary measures are to be adhered to when handling chemicals.
 - Wash hands before breaks and at the end of work.
- **Respiratory protection:**
 - Not necessary if room is well-ventilated.
 - Use suitable respiratory protective device in case of insufficient ventilation or in cases where overexposures may occur.
- **Protection of hands:**
- **Material of gloves** Nitrile rubber, NBR
- **Penetration time of glove material** At a glove thickness of about 0,7 mm the value of the permeation breakthrough in accordance with EN 374 is for chemically similar products according to the manufacturer: >480 min. (Degradation EN 374 rating class 6) These statements are based on laboratory test methods which could not simulate working conditions exactly. The responsibility rests with the end user for choosing the right gloves for his application.
- **Eye protection:** Tightly sealed goggles during handling of the concentrate.
- **Body protection:** Protective work clothing

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
 - Form:** Fluid
 - Colour:** Brown
- **Odour:** Characteristic
- **Odour threshold:** Not determined.
- **pH-value (50 g/l) at 23 °C:** 9.2
- **Change in condition**
 - Melting point/freezing point:** Undetermined.
 - Initial boiling point and boiling range:** Undetermined.
- **Flash point:** >120 °C
- **Flammability (solid, gas):** Not applicable.
- **Ignition temperature:** Not determined.
- **Decomposition temperature:** Not determined.
- **Explosive properties:** Product does not present an explosion hazard.
- **Explosion limits:**
 - Lower:** Not determined.
 - Upper:** Not determined.
- **Vapour pressure:** Not determined.
- **Density at 20 °C:** 0.98 g/cm³
- **Relative density** Not determined.
- **Vapour density** Not determined.

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· Evaporation rate	Not determined.	<i>(Contd. of page 3)</i>
· Solubility in / Miscibility with water:	Fully miscible.	
· Partition coefficient: n-octanol/water:	Not determined.	
· Viscosity:		
Kinematic at 20 °C:	180 mm ² /s	
· Solvent content:		
VOC (EC)	None	
· Oxidising properties:	Not determined.	
· 9.2 Other information	No further relevant information available.	
· Additional information	The above named properties are measured according to regulation (EC) 440/2008 or according to other comparable methods.	

SECTION 10: Stability and reactivity

· 10.1 Reactivity	No further relevant information available.
· 10.2 Chemical stability	
· Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
· 10.3 Possibility of hazardous reactions	No dangerous reactions known.
· 10.4 Conditions to avoid	see above
· 10.5 Incompatible materials:	Strong oxidizing agents
· 10.6 Hazardous decomposition products:	No decomposition if used and stored according to specifications.

SECTION 11: Toxicological information

· 11.1 Information on toxicological effects	
· Acute toxicity	Based on available data, the classification criteria are not met.
· LD/LC50 values relevant for classification:	ATE mix: Oral: Acute toxicity estimate: > 2,000 mg/kg Dermal: Acute toxicity estimate: > 2,000 mg/kg Inhalation: Acute toxicity estimate: for gases > 20,000 ppmV; for vapours > 20 mg/l; for dust/mist > 5 mg/l
· Primary irritant effect:	
· Skin corrosion/irritation	Based on available data, the classification criteria are not met.
· Serious eye damage/irritation	Based on available data, the classification criteria are not met.
· Respiratory or skin sensitisation	Contains: 3-Iodo-2-propynylbutylcarbamate May produce an allergic reaction.
· Germ cell mutagenicity	Based on available data, the classification criteria are not met.
· Carcinogenicity	Based on available data, the classification criteria are not met.
· Reproductive toxicity	Based on available data, the classification criteria are not met.
· STOT-single exposure	Based on available data, the classification criteria are not met.
· STOT-repeated exposure	Based on available data, the classification criteria are not met.
· Aspiration hazard	Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

· 12.1 Toxicity	
· Aquatic toxicity:	
55406-53-6 3-Iodo-2-propynylbutylcarbamate	
NOEC / 35d	0.0084 mg/l (Pimephales promelas)
NOEC / 96h	0.049 mg/l (Oncorhynchus mykiss)
NOEC / 72hr	0.0046 mg/l (Scenedesmus subspicatus)
EC50 / 3hr	44 mg/l (Microorganisms)
LC50 / 96hr	0.067 mg/l (Oncorhynchus mykiss)
EC50 / 72hr	0.022 mg/l (Scenedesmus subspicatus)
EC50 / 48hr	0.16 mg/l (Daphnia magna)
· 12.2 Persistence and degradability	No further relevant information available.
· 12.3 Bioaccumulative potential	No further relevant information available.
· 12.4 Mobility in soil	No further relevant information available.

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- **Additional ecological information:**
- **General notes:** Water hazard class 2 (according to German Regulation) (Self assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** The criteria to identify an ingredient as a PBT substance in compliance with REACH are according to our information currently not available.
- **vPvB:** The criteria to identify an ingredient as a vPvB substance in compliance with REACH are according to our information currently not available.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
 - **Recommendation** Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- | | |
|-----------------------------------|--|
| · European waste catalogue | |
| 12 01 09* | machining emulsions and solutions free of halogens |
| 15 01 10* | packaging containing residues of or contaminated by hazardous substances |
| HP14 | Ecotoxic |
- **For the product:** 12 01 09*
 - **Uncleaned packaging:**
 - **Recommendation:** Disposal must be made according to official regulations.
Waste disposal key: 15 01 10*
 - **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

SECTION 14: Transport information

- **14.1 UN-Number**
- **ADR, ADN, IMDG, IATA** Void

- **14.2 UN proper shipping name**
- **ADR, ADN, IMDG, IATA** Void

- **14.3 Transport hazard class(es)**
- **ADR**
- **Class** Void
- **Label** Void
- **ADN/R Class:** Void

- **14.4 Packing group**
- **ADR, IMDG, IATA** Void

- **14.5 Environmental hazards:**
- **Marine pollutant:** No

- **14.6 Special precautions for user** Not applicable.

- **14.7 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.
- **ADR**
- **Excepted quantities (EQ):** Void
- **Limited quantities (LQ)** Void
- **Transport category** Void
- **Tunnel restriction code** Void
- **IMDG**
- **Limited quantities (LQ)** Void
- **Excepted quantities (EQ)** Void
- **IATA**
- **Remarks:** Void
- **UN "Model Regulation":** Void

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Skin Sens. 1: Skin sensitisation – Category 1
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

· * Data compared to the previous
version altered.

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