

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

Printing date 29.05.2015

Version 3

Revision: 29.05.2015

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 departement

SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture
· Classification according to Regulation (EC) No 1272/2008



Skin Irrit. 2 H315 Causes skin irritation.
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

· 2.2 Label elements

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

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

· Hazard pictograms



GHS07

· Signal word

Warning

· Hazard statements

H315 Causes skin irritation.
H412 Harmful to aquatic life with long lasting effects.

· Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P273 Avoid release to the environment.
P264 Wash thoroughly after handling.
P321 Specific treatment (see on this label).
P332+P313 If skin irritation occurs: Get medical advice/attention.
P302+P352 IF ON SKIN: Wash with plenty of water.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· Additional information:

EUH208 Contains 3-Iod-2-propinylbutylcarbamat. 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:

Alcoholethoxylat	1-10%
 Acute Tox. 4, H302; Eye Irrit. 2, H319	

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CAS: 68920-66-1 NLP: 500-236-9	Fatty alcohol, ethoxylated ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315	1-10%
CAS: 68920-66-1 NLP: 500-236-9	Fatty alcohol, ethoxylated ⚠ Skin Irrit. 2, H315	1-10%
CAS: 55406-53-6 EINECS: 259-627-5	3-Iod-2-propinylbutylcarbamate ⚠ Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Sens. 1, H317; STOT SE 3, H335	< 1%

· **Additional information:** Water-extendable metalworking fluid concentrate
For the wording of the listed risk phrases refer to section 16.

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.
Supply fresh air; consult doctor in case of complaints.

· **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:** 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 (NOx)

· **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 item 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.

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- **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.
- **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 stability under the described conditions: 12 months.
Storage temperature: 5-40 °C
- **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 item 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.
Not necessary if room is well-ventilated.
- **Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.
- **Protection of hands:**  Protective gloves
- **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/Melting range:** Undetermined.
- **Boiling point/Boiling range:** Undetermined.
- **Flash point:** Not applicable.
- **Flammability (solid, gaseous):** Not applicable.
- **Ignition temperature:** Not determined.
- **Decomposition temperature:** Not determined.
- **Self-igniting:** Product is not selfigniting.

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- **Danger of explosion:** 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.
- **Evaporation rate:** Not determined.
- **Solubility in / Miscibility with water:** Fully miscible.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
 - Kinematic at 20 °C:** 180 mm²/s
- **Solvent content:**
 - VOC (EC)** None
- **9.2 Other information:** Oxidising properties: not determined.
- **Additional information:** The above named properties are measured according to part A of the annex V of the EC-regulation 67/548/EC or according to other comparable methods.

SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **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**
- **LD/LC50 values relevant for classification:** No further relevant information available.
- **Primary irritant effect:**
- **Skin corrosion/irritation:** After a long exposure on skin and mucous membrane the concentrate can cause irritations.
- **Serious eye damage/irritation:** Irritating effect.
- **Respiratory or skin sensitisation:** Contains: 3-Iodo-2-propynylbutylcarbamate
May produce an allergic reaction.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **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.
- **Additional ecological information:**
- **General notes:** Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow product to reach ground water, water course or sewage system.
- **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.

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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 dangerous substances

- **For the delivered concentrate:** 12 01 09
- **For the emulsion/solution ready for use:** 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 MARPOL73/78 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** Void
- **IATA** Void
- **UN "Model Regulation":** -

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008**
- **Hazard pictograms** The product is classified and labelled according to the CLP regulation.

- **Signal word** Warning
- **Hazard statements** H315 Causes skin irritation.
H412 Harmful to aquatic life with long lasting effects.
- **Precautionary statements** P280 Wear protective gloves/protective clothing/eye protection/face protection.
P273 Avoid release to the environment.
P264 Wash thoroughly after handling.
P321 Specific treatment (see on this label).
P332+P313 If skin irritation occurs: Get medical advice/attention.

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P302+P352 IF ON SKIN: Wash with plenty of water.

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

· National regulations:

· Waterhazard class:

Water hazard class 1 (Self-assessment): slightly hazardous for water.

· 15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
This safety data sheet shall apply from 1.06.2015.

· Reasons for alterations

General revision.

· Relevant phrases

- H302 Harmful if swallowed.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.

· Department issuing MSDS:

Department of technology: +49-(0)214/82511-12

· Abbreviations and acronyms:

- REACH: Registration, Evaluation and Authorisation of Chemicals (regulation (EC) No 1907/2006)
- PBT: persistent, bioaccumulative, toxic
- vPvB: very persistent, very bioaccumulative
- EC: European Community
- NLP: no longer polymers
- 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)
- WEL: Worktime Exposure Limit
- TWA: Time Weighted Average concentration
- STEL: Short Time Exposure Limit
- OEL: Occupational Exposure Limit
- TLV: Threshold limit value
- TWA: Time Weighted Average concentration
- STEL: Short Time Exposure Limit
- IOELV: Indicative Occupational Exposure Limit Value
- WEL: Worktime Exposure Limit
- ACGIH: American Conference of Governmental Industrial Hygienists
- EC50: ecotoxic concentration, 50 percent
- NOEC: no observed effect concentrations
- NOELR: No observed effect loading rate
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- VOC: Volatile Organic Compounds (USA, EC)
- ADR: Accord européen sur le transport 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
- Acute Tox. 4: Acute toxicity, Hazard Category 4
- Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
- Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
- Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
- Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
- STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
- Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1
- Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1
- Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2
- Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

· * Data compared to the previous version altered.