

**Safety data sheet**

according to 1907/2006/EC, Article 31

Printing date 03.02.2022

Version number 04-00

Revision: 03.02.2022

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**Trade name: **DELTA® Hydrostop Aqua 9.06****1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

**Application of the substance / the mixture** Coating agent**Uses advised against**

This product is not suitable for uses other than those specified in the "Use of the substance/mixture". If your particular manner of use is not listed, please contact the creator of this safety data sheet.

**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

Dörken Coatings GmbH &amp; Co. KG

Wetterstr. 58

58313 Herdecke

Germany

www.doerkencoatings.de

Phone: +49 2330 63 243

Fax: +49 2330 63 100 243

**Further information obtainable from:** msds.coatings@doerken.de**1.4 Emergency telephone number:**

Australia: 61-290372994

United Kingdom: 44-870-8200418 and 44-2038073798

**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

GHS07

Skin Sens. 1      H317 May cause an allergic skin reaction.

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

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### Hazard-determining components of labelling:

1,2-benzisothiazol-3(2H)-one  
2-octyl-2H-isothiazol-3-one  
2-methyl-2H-isothiazol-3-one  
3-Iodo-2-propynylbutylcarbamate

### Hazard statements

H317 May cause an allergic skin reaction.  
H412 Harmful to aquatic life with long lasting effects.

### Precautionary statements

P273 Avoid release to the environment.  
P280 Wear protective gloves.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

### 2.3 Other hazards

### Results of PBT and vPvB assessment

**PBT:** Not applicable.  
**vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

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

### Dangerous components:

CAS: 112-34-5 EINECS: 203-961-6 Reg.nr.: 01-2119475104-44-xxxx	2-(2-Butoxyethoxy)ethanol ----- Eye Irrit. 2, H319	<5%
CAS: 55406-53-6 EINECS: 259-627-5	3-Iodo-2-propynylbutylcarbamate ----- 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	<0.25%
CAS: 2634-33-5 EINECS: 220-120-9 Reg.nr.: 01-2120761540-60-xxxx	1,2-benzisothiazol-3(2H)-one ----- Acute Tox. 2, H330; Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 2, H411; Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317 Specific concentration limit: Skin Sens. 1; H317: C ≥ 0.05 %	<0.05%

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CAS: 26530-20-1 EINECS: 247-761-7	2-octyl-2H-isothiazol-3-one Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 2, H330; Skin Corr. 1, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100); Skin Sens. 1A, H317 Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.0015 %	<0.05%
CAS: 2682-20-4 EINECS: 220-239-6 Reg.nr.: 01-2120764690-50-xxxx	2-methyl-2H-isothiazol-3-one Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 2, H330; Skin Corr. 1B, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1); Skin Sens. 1A, H317 Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.0015 %	<0.025%

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

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

##### General information:

In all cases of doubt, or when symptoms persist, seek medical advice.

Soiled, soaked clothes immediately take off.

Never give anything by mouth to an unconscious person.

##### 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.

If skin irritation or rash occurs: Get medical advice/attention.

Take off immediately all contaminated clothing and wash it before reuse.

##### After eye contact:

Remove contact lenses. Keep eye lids open and rinse plentifully for at least 10 minutes with clean running water. Subsequently consult an ophthalmologist.

In case of troubles or persistent symptoms, consult an ophthalmologist.

##### After swallowing:

Rinse mouth thoroughly with water.

Drink plenty of water and provide fresh air. Call for a doctor immediately.

#### 4.2 Most important symptoms and effects, both acute and delayed Allergic reactions

#### 4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

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**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing agents:**

Extinguishing powder, foam, carbon dioxide.

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**Fire will produce dangerous decomposition products like dense, black smoke, carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO) and nitrogen oxides (NO<sub>x</sub>). Inhalation may cause serious health damage.

Under certain fire conditions, traces of other toxic gases cannot be excluded.

**5.3 Advice for firefighters****Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

**Additional information**

Collect contaminated fire fighting water separately. It must not enter the sewage system.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

Avoid contact with skin and eyes.

**6.2 Environmental precautions:**

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

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 of the material collected according to regulations.

**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**

Avoid prolonged, intensive skin contact and contact with the eyes.

Avoid the handling of incompatible substances and mixtures. Incompatible substances: see section 10.5

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### 7.2 Conditions for safe storage, including any incompatibilities

#### Storage:

#### Requirements to be met by storerooms and receptacles:

Make sure spills can be contained, e.g. in sump pallets.

Protect from frost, heat and direct sunlight. Keep tightly closed, cool and dry.

#### Information about storage in one common storage facility:

Note the rules for common storage in accordance with TRGS 510 - "Storage of hazardous substances in transportable containers".

Store away from foodstuffs.

**Further information about storage conditions:** None.

**Storage class:** 12

**7.3 Specific end use(s)** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Additional information about design of technical facilities:

Ensure a good ventilation. This can be achieved by local exhaustion or general exhaust air.

#### Ingredients with limit values that require monitoring at the workplace:

##### 112-34-5 2-(2-Butoxyethoxy)ethanol

AGW (Germany)	Long-term value: 67 mg/m <sup>3</sup> , 10 ppm 1.5(l);EU, DFG, Y, 11
IOELV (EU)	Short-term value: 101.2 mg/m <sup>3</sup> , 15 ppm Long-term value: 67.5 mg/m <sup>3</sup> , 10 ppm

#### Regulatory information

AGW (Germany): TRGS 900

IOELV (EU): (EU) 2019/1831

**Additional information:** The lists valid during the making were used as basis.

**8.2 Exposure controls** Provide good ventilation and/or an exhaust system in the work area.

#### Personal protective equipment:

#### General protective and hygienic measures:

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Immediately remove all soiled and contaminated clothing

Do not eat, drink, smoke or sniff while working.

Use skin protection cream for skin protection.

#### Respiratory protection:

Use always breathing protection with splashing medium.

Use combination filter type A(-P2) according to EN 141.

#### Protection of hands:

Work with gloves. Gloves must be inspected for damage before use. Defective or damaged gloves must not be used. Gloves must satisfy the specifications of EC directive 89/686/EWG and standard EN 374.

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It is recommended to use long gloves to minimize contact by splashing.

**Material of gloves**

Nitrile rubber

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:**

Tightly sealed safety goggles are to be worn during all work, in accordance with EN 166.

Have eye wash bottle or eye rinse ready at work place.

Professional Cooperative Rules - BGR 192 Use of eye and face protection

**Body protection:** Impervious protective clothing

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****General Information****Appearance:**

**Form:** Fluid  
**Colour:** Different according to colouring

**Odour:** Weak after glycol ethers

**Odour threshold:** For mixtures not applicable.

**pH-value at 20 °C:** 7.5-8.5

**Change in condition**

**Melting point/Freezing point:** Not security-related.

**Initial boiling point and boiling range:** 100 °C (H<sub>2</sub>O)

**Flash point:** Not applicable.

**Flammability (solid, gas):** Not applicable.

**Ignition temperature:** Not applicable.

**Decomposition temperature:** For mixtures not applicable.

**Auto-ignition temperature:** Product is not selfigniting.

**Explosive properties:** Product does not present an explosion hazard.

**Explosion limits:**

**Lower:** Not determined.

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<b>Upper:</b>	Not determined.
<b>Oxidising properties</b>	In its condition as supplied, the product is neither flammable nor oxidising.
<b>Vapour pressure at 20 °C:</b>	23 hPa (H <sub>2</sub> O)
<b>Density at 20 °C:</b>	1-1.04 g/cm <sup>3</sup>
<b>Vapour density</b>	Not applicable.
<b>Evaporation rate</b>	For mixtures not applicable.
<b>Solubility in / Miscibility with water:</b>	Miscible / waterdilutable.
<b>polar solvents:</b>	Partly miscible.
<b>non-polar solvents:</b>	Not miscible or difficult to mix.
<b>Partition coefficient: n-octanol/water:</b>	For mixtures not applicable.
<b>Viscosity:</b>	Not security-related.
<b>9.2 Other information</b>	No further relevant information available.

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

No dangerous reactions are known.

No further relevant information available.

**10.2 Chemical stability** Product is stable under normal storage conditions.

#### 10.3 Possibility of hazardous reactions

No dangerous reactions known.

No dangerous reactions are known.

**10.4 Conditions to avoid** No further relevant information available.

**10.5 Incompatible materials:** strong oxidizing agents

#### 10.6 Hazardous decomposition products:

In case of fire arise: smoke and carbon oxides. Under certain fire conditions tracks of other toxic products can not be excluded.

### 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:

The quoted data are literature values and/or manufacturer/supplier data.

#### 55406-53-6 3-Iodo-2-propynylbutylcarbamate

Oral	LD <sub>50</sub>	300-500 mg/kg (rat)
Dermal	LD <sub>50</sub>	>2,000 mg/kg (rat)

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Inhalative	LC <sub>50</sub> / 4 h	0.5 mg/l (ATE)
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### Specific symptoms in biological assay:

**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

May cause an allergic skin reaction.

### Additional toxicological information:

#### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

The product is not classified as carcinogenic, mutagenic or toxic to reproduction (CMR properties).

**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

The mixture contains no or only small amounts of materials which are classified as an aspiration hazard. It can therefore be assumed that the mixture is not an aspiration hazard.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity:

Harmful to aquatic life with long lasting effects.

#### 55406-53-6 3-Iodo-2-propynylbutylcarbamate

EC <sub>50</sub> / 48 h	0.47 mg/l (daphnia) (OECD 202)
EC <sub>50</sub> / 72 h	0.049 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
LC <sub>50</sub> / 96 h (dynamic)	0.145 mg/l (Oncorhynchus mykiss (rainbow trout))
NOEC / 21 d	10 mg/l (daphnia) (OECD 211)
NOEC / 28 d	0.014 mg/l (Pimephales promelas (fathead minnow)) (OECD 210)

### 12.2 Persistence and degradability

#### 55406-53-6 3-Iodo-2-propynylbutylcarbamate

OECD 307 Aerobic And Anaerobic Transformation Soil	0.03-0.04 d (soil microorganisms)
OECD 308 Simulation Biodegradation Aqu Sed System	1-1.2 d (degradation half-life)

### 12.3 Bioaccumulative potential

#### 55406-53-6 3-Iodo-2-propynylbutylcarbamate

Partition Coefficient log Pow	2.8 (n-octanol/water) (OECD 117)
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**12.4 Mobility in soil** No further relevant information available.

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**Ecotoxicological effects:****Behaviour in sewage processing plants:****55406-53-6 3-Iodo-2-propynylbutylcarbamate**

OECD 302B Zahn-Wellens Test	>70 % (activated sludge organisms)
OECD 303A Activated Sludge Units	100 % (activated sludge organisms)
EC <sub>20</sub> / 3 h	8.2 mg/l (activated sludge organisms) (OECD 209)
EC <sub>50</sub> / 3 h	8.2 mg/l (activated sludge organisms) (OECD 209)

**General notes:** Do not allow product to reach ground water, water course or sewage system.**12.5 Results of PBT and vPvB assessment**

This product does not contain relevant substances that have been assessed as persistent, bioaccumulative and toxic (PBT) or as very persistent and very bioaccumulative (vPvB).

**PBT:** Not applicable.**vPvB:** Not applicable.**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. Must be specially treated adhering to official regulations.

**European waste catalogue**

08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances
HP14	Ecotoxic

**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, ADN, IMDG, IATA****Class** Void**14.4 Packing group****ADR, IMDG, IATA** Void**14.5 Environmental hazards:**

Not applicable.

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<b>14.6 Special precautions for user</b>	Not applicable.
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<b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
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<b>UN "Model Regulation":</b>	Void
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**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****Directive 2012/18/EU****Named dangerous substances - ANNEX I** None of the ingredients is listed.**REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3, 55**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

**REGULATION (EU) 2019/1148****Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

**Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

**Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

**Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

**National regulations:****Information about limitation of use:**

Observe employment restrictions concerning young persons.

Observe employment restrictions for expectant or nursing mothers.

**Waterhazard class:** Water hazard class 2 (Self-assessment): hazardous for water.**Labelling according to Regulation (EC) No 2004/42**

VOC limit according to 2004/42/EC for category e (WB) and maximum VOC content: see lid.

**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.

The given conditions of work of the user extract themselves from our knowledge and control. The product/the preparation may be used without written permission for no other use, than the mentioned intended purpose.

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The user is responsible for the observance of all necessary legal instructions.

This Safety Data Sheet replaces all previous versions. With the newest version in each case, the preceding Safety Data Sheets are set out of strength.

For further information please consult the "Technical Data Sheet".  
Misuse may cause damage to health and environment.

**Labelling according to regulation (EC) No 528/2012**

**Additional information:** Contains protective agent for products in storage and coating protective agent.

**Relevant phrases**

- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H311 Toxic in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H330 Fatal if inhaled.
- H331 Toxic if inhaled.
- H372 Causes damage to organs through prolonged or repeated exposure.
- 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.

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

Skin sensitisation Hazardous to the aquatic environment - long-term (chronic) aquatic hazard	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.
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**Abbreviations and acronyms:**

- Acute Tox. 4: Acute toxicity – Category 4
- Acute Tox. 2: Acute toxicity – Category 2
- Acute Tox. 3: Acute toxicity – Category 3
- Skin Corr. 1: Skin corrosion/irritation – Category 1
- Skin Corr. 1B: Skin corrosion/irritation – Category 1B
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Eye Dam. 1: Serious eye damage/eye irritation – Category 1
- Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
- Skin Sens. 1: Skin sensitisation – Category 1
- Skin Sens. 1A: Skin sensitisation – Category 1A
- 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.**