

## Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 06.02.2025

Version number 04-03 (replaces version 04-02)

Revision: 06.02.2025

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

#### 1.1 Product identifier

Trade name: **DELTA® 2K Haftgrund**

#### 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 & 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:

Emergency CONTACT (24-Hour-Number):

GBK GmbH +49 (0)6132-84463

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS02 flame

Flam. Liq. 3      H226 Flammable liquid and vapour.



GHS09 environment

Aquatic Chronic 2    H411 Toxic to aquatic life with long lasting effects.



GHS07

Skin Irrit. 2      H315 Causes skin irritation.  
Eye Irrit. 2      H319 Causes serious eye irritation.  
Skin Sens. 1      H317 May cause an allergic skin reaction.  
STOT SE 3      H336 May cause drowsiness or dizziness.

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### 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



GHS02 GHS07 GHS09

#### Signal word Warning

#### Hazard-determining components of labelling:

Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number averagemolecular weight 700 - 1100)  
 Hydrocarbons, C9, aromatics  
 2-Methoxy-1-methylethyl acetate  
 n-Butyl acetate

#### Hazard statements

H226 Flammable liquid and vapour.  
 H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H317 May cause an allergic skin reaction.  
 H336 May cause drowsiness or dizziness.  
 H411 Toxic to aquatic life with long lasting effects.

#### Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P261 Avoid breathing mist/vapours/spray.  
 P271 Use only outdoors or in a well-ventilated area.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves / eye protection.  
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
 P312 Call a doctor if you feel unwell.  
 P337+P313 If eye irritation persists: Get medical advice/attention.  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 P391 Collect spillage.  
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

#### Additional information:

EUH205 Contains epoxy constituents. May produce an allergic reaction.  
 EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

### 2.3 Other hazards

Vapours of the product are heavier than air and may accumulate below ground level, in pits, channels and basements in higher concentration.  
 Vapours can form explosive mixtures with air.  
 In case of inhalation: Higher doses may lead to a narcotic effect.

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### 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: 13463-67-7 EINECS: 236-675-5 Reg.nr.: 01-2119489379-17-xxxx	Titanium dioxide ----- Carc. 2, H351	10-25%
CAS: 25036-25-3 NLP: 500-033-5	Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number averagemolecular weight 700 - 1100) ----- Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317, EUH205 Specific concentration limits: Eye Irrit. 2; H319: C ≥ 5 % Skin Irrit. 2; H315: C ≥ 5 %	10-25%
EC number: 918-668-5 Reg.nr.: 01-2119455851-35-xxxx	Hydrocarbons, C9, aromatics ----- Alternative CAS number: 64742-95-6 Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335; STOT SE 3, H336, EUH066	≥2.5-<10%
CAS: 108-65-6 EINECS: 203-603-9 Reg.nr.: 01-2119475791-29-xxxx	2-Methoxy-1-methylethyl acetate ----- Flam. Liq. 3, H226; STOT SE 3, H336	1-10%
CAS: 7779-90-0 EINECS: 231-944-3 Reg.nr.: 01-2119485044-40-xxxx	Trizinc bis(orthophosphate) ----- Aquatic Acute 1, H400; Aquatic Chronic 1, H410	≥2.5-<10%
CAS: 123-86-4 EINECS: 204-658-1 Reg.nr.: 01-2119485493-29-xxxx	n-Butyl acetate ----- Flam. Liq. 3, H226; STOT SE 3, H336, EUH066	1-10%
CAS: 111-76-2 EINECS: 203-905-0 Reg.nr.: 01-2119475108-36-xxxx	2-butoxyethanol ----- Acute Tox. 3, H331; Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319 ATE: LD <sub>50</sub> oral: 1,200 mg/kg LC <sub>50</sub> / 4 h inhalative: 3 mg/l	<5%
CAS: 1314-13-2 EINECS: 215-222-5 Reg.nr.: 01-2119463881-32-xxxx	zinc oxide ----- Aquatic Acute 1, H400; Aquatic Chronic 1, H410	≥0.25-<1%
CAS: 24468-28-8 EINECS: 246-279-4	1,3,5-Triazin-2,4,6-(1H,3H,5H)-trion, Zinksalz ----- Aquatic Acute 1, H400; Aquatic Chronic 2, H411	≥0.25-<1%

#### Additional information:

All hydrocarbons used comply with note P (less than 0.1% benzene) of the CLP regulation.

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

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### 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

After eye contact: May cause irritations.

Headache, dizziness, numbness, sickness/nausea, tiredness, stunning effect, dry skin, allergic reactions.

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

Symptomatic treatment.

### 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

Flammable liquid and vapour.

Can form explosive gas-air mixtures.

The vapour of the product is heavier than air and may accumulate below ground level, in pits, channels and basements in higher concentration.

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.

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

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### 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.

Keep away from ignition sources and ensure a well-ventilated room. Do not inhale fumes.

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.

### 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 the formation of ignitable and explosion- hazardous solution vapours.

Ensure good ventilation/exhaustion at the workplace.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Material can become charged electrostatically. Anti-static clothing including shoes are recommended.

Avoid contact with skin and eyes as well as inhalation of vapours.

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

#### Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Use explosion-proof apparatus / fittings and spark-proof tools.

Handle only outside or in explosion protected rooms.

Fumes can combine with air to form an explosive mixture.

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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:** 3

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

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

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

##### Hydrocarbons, C9, aromatics

IOELV (EU)	Long-term value: 100 mg/m <sup>3</sup> , 20 ppm (trimethylbenzole)
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##### 108-65-6 2-Methoxy-1-methylethyl acetate

AGW (Germany)	Long-term value: 270 mg/m <sup>3</sup> , 50 ppm 1(I);DFG, EU, Y
IOELV (EU)	Short-term value: 550 mg/m <sup>3</sup> , 100 ppm Long-term value: 275 mg/m <sup>3</sup> , 50 ppm Skin

##### 123-86-4 n-Butyl acetate

AGW (Germany)	Long-term value: 300 mg/m <sup>3</sup> , 62 ppm 2(I);AGS, Y
IOELV (EU)	Short-term value: 723 mg/m <sup>3</sup> , 150 ppm Long-term value: 241 mg/m <sup>3</sup> , 50 ppm

##### 111-76-2 2-butoxyethanol

AGW (Germany)	Long-term value: 49 mg/m <sup>3</sup> , 10 ppm 2(I);EU, DFG; H, Y
IOELV (EU)	Short-term value: 246 mg/m <sup>3</sup> , 50 ppm Long-term value: 98 mg/m <sup>3</sup> , 20 ppm Skin

##### 112945-52-5 Synthetische, amorphe, pyrogene Kieselsäure

MAK (Germany)	Long-term value: 0.02A mg/m <sup>3</sup> vgl. Abschn. V
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### Regulatory information

IOELV (EU): (EU) 2019/1831

AGW (Germany): TRGS 900

### Ingredients with biological limit values:

#### 111-76-2 2-butoxyethanol

BGW (Germany)	150 mg/g Kreatinin Untersuchungsmaterial: Urin Probennahmezeitpunkt: Expositionsende bzw. Schichtende, bei Langzeitexposition: am Schichtende nach mehreren vorangegangenen Schichten Parameter: Butoxyessigsäure (nach Hydrolyse)
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**Regulatory information** BGW (Germany): TRGS 903

**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.

#### Appropriate engineering controls

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

#### Individual protection measures, such as 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 inhale gases / fumes / aerosols.

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

Use skin protection cream for skin protection.

##### Respiratory protection:

Breathing protection is always required when spraying.

Use combination filter A2(-P2) according to EN 14387.

##### Hand protection

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.

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

##### Material of gloves

Multi-layer glove - PE / EVAL / PE

(PE = polyethylene, EVAL = ethylene-vinyl alcohol copolymer)

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/face 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.

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

**Body protection:** Solvent resistant protective clothing

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

##### General Information

<b>Physical state</b>	Fluid
<b>Colour:</b>	Different according to colouring
<b>Odour:</b>	Very Esther-like
<b>Odour threshold:</b>	Not applicable for mixtures.
<b>Melting point/Freezing point:</b>	Not security-related.
<b>Boiling point or initial boiling point and boiling range</b>	127 °C (123-86-4 n-Butyl acetate)
<b>Flammability</b>	Flammable.
<b>Lower and upper explosion limit</b>	
<b>Lower:</b>	0.7 Vol % (Hydrocarbons, C9, aromatics)
<b>Upper:</b>	8.5 Vol % (123-86-4 n-Butyl acetate)
<b>Flash point:</b>	43 °C
<b>Auto-ignition temperature:</b>	333 °C (108-65-6 2-Methoxy-1-methylethyl acetate)
<b>Decomposition temperature:</b>	For mixtures not applicable.
<b>pH</b>	Mixture is non-soluble (in water).
<b>Viscosity:</b>	< 60 s (20°C / ISO 2431 / 6 mm) > 20,5 mm <sup>2</sup> /s (40°C)
<b>Solubility</b>	
<b>water:</b>	Not miscible or difficult to mix.
<b>polar solvents:</b>	Not miscible or difficult to mix.
<b>non-polar solvents:</b>	Fully miscible.
<b>Partition coefficient n-octanol/water (log value)</b>	For mixtures not applicable.
<b>Vapour pressure at 20 °C:</b>	10.7 hPa (123-86-4 n-Butyl acetate)
<b>Density and/or relative density</b>	
<b>Density at 20 °C:</b>	1.42-1.48 g/cm <sup>3</sup>
<b>Vapour density</b>	Not applicable.

#### 9.2 Other information

<b>Appearance:</b>	
<b>Form:</b>	Fluid
<b>Important information on protection of health and environment, and on safety.</b>	
<b>Ignition temperature:</b>	Product is not selfigniting.
<b>Explosive properties:</b>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
<b>Change in condition</b>	
<b>Softening point/range</b>	
<b>Oxidising properties</b>	The product is flammable, although not oxidising.

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### Evaporation rate

For mixtures not applicable.

### Information with regard to physical hazard classes

<b>Explosives</b>	Void
<b>Flammable gases</b>	Void
<b>Aerosols</b>	Void
<b>Oxidising gases</b>	Void
<b>Gases under pressure</b>	Void
<b>Flammable liquids</b>	Flammable liquid and vapour.
<b>Flammable solids</b>	Void
<b>Self-reactive substances and mixtures</b>	Void
<b>Pyrophoric liquids</b>	Void
<b>Pyrophoric solids</b>	Void
<b>Self-heating substances and mixtures</b>	Void
<b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
<b>Oxidising liquids</b>	Void
<b>Oxidising solids</b>	Void
<b>Organic peroxides</b>	Void
<b>Corrosive to metals</b>	Void
<b>Desensitised explosives</b>	Void

## SECTION 10: Stability and reactivity

**10.1 Reactivity** Vapours can form explosive mixtures with air.

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

**10.3 Possibility of hazardous reactions** No dangerous reactions known.

**10.4 Conditions to avoid** Keep away from heat sources, sparks and open flames.

**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 hazard classes as defined in Regulation (EC) No 1272/2008**

**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.

**25036-25-3 Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number averagemolecular weight 700 - 1100)**

Oral	LD <sub>50</sub>	>30,000 mg/kg (rat)
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Dermal	LD <sub>50</sub>	>20,000 mg/kg (rat)
<b>111-76-2 2-butoxyethanol</b>		
Oral	LD <sub>50</sub>	1,200 mg/kg (ATE)
Inhalative	LC <sub>50</sub> / 4 h	3 mg/l (ATE)

### Specific symptoms in biological assay:

**Skin corrosion/irritation** Causes skin irritation.

**Serious eye damage/irritation** Causes serious eye irritation.

**Respiratory or skin sensitisation** May cause an allergic skin 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** May cause drowsiness or dizziness.

**STOT-repeated exposure** Based on available data, the classification criteria are not met.

### Aspiration hazard

Due to the viscosity (see section 9), classification as an aspiration hazard is omitted.

Based on available data, the classification criteria are not met.

### General notes:

Inhalation of solvent concentrations in excess of the OEL or MAK limit values can lead to health damage such as irritation of the mucous membranes and respiratory tract, damage to the kidneys and liver, and impairment of the central nervous system. Symptoms: headaches, dizziness, fatigue, muscle weakness, narcotic effect and, in exceptional cases, loss of consciousness. Prolonged or repeated contact with the product impairs the skin's natural lipid replenishment and causes the skin to dry out. The product can enter the body through the skin. Splashes of solvent may cause irritation to the eye and reversible damage.

### 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).

#### 11.2 Information on other hazards

#### Endocrine disrupting properties

None of the ingredients is listed.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity:

Toxic to aquatic life with long lasting effects.

#### 25036-25-3 Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number averagemolecular weight 700 - 1100)

EC<sub>50</sub> / 48 h >100 mg/l (algae)

LC<sub>50</sub> / 96 h >100 mg/l (fish)

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### Hydrocarbons, C9, aromatics

EC <sub>50</sub> / 48 h	3.2 mg/l (Daphnia magna (big water flea))
LC <sub>50</sub> / 96 h	9.2 mg/l (Oncorhynchus mykiss (rainbow trout))

### 7779-90-0 Trizinc bis(orthophosphate)

EC <sub>50</sub> / 48 h	0.33-0.66 mg/l (Daphnia magna (big water flea)) (OECD 202)
EC <sub>50</sub> / 72 h	0.14 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
LC <sub>50</sub> / 96 h	0.17 mg/l (Oncorhynchus mykiss (rainbow trout))

### 111-76-2 2-butoxyethanol

EC <sub>50</sub> / 24 h	1,800 mg/l (Daphnia magna (big water flea))
EC <sub>50</sub> / 72 h	911 mg/l (Selenastrum capricornutum)
LC <sub>50</sub> / 96 h	1,700 mg/l (Oncorhynchus mykiss (rainbow trout)) >100 mg/l (Lepomis macrochirus (bluegill))

### 1314-13-2 zinc oxide

EC <sub>50</sub> / 48 h	0.17 mg/l (daphnia)
LC <sub>50</sub> / 96 h	0.14 mg/l (Oncorhynchus mykiss (rainbow trout))
IC <sub>50</sub> / 72 h	0.17 mg/l (algae) literature

## 12.2 Persistence and degradability

### Hydrocarbons, C9, aromatics

OECD 301F Manometric Respirometry Test	78 % /O <sub>2</sub> consump (28d) readily biodegradable
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### 111-76-2 2-butoxyethanol

OECD 301B CO <sub>2</sub> -Evolution Test (Sturm Test)	90.4 % (28d) readily biodegradable
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## 12.3 Bioaccumulative potential

### 111-76-2 2-butoxyethanol

Partition Coefficient log Pow	0.81 (n-octanol/water) (25 °C; pH 7)
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**12.4 Mobility in soil** No further relevant information available.

### 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 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

### 12.7 Other adverse effects

**Other information:**

### General notes:

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

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Danger to drinking water if even small quantities leak into the ground.

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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.  
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
HP3	Flammable
HP4	Irritant - skin irritation and eye damage
HP13	Sensitising
HP14	Ecotoxic

**SECTION 14: Transport information****14.1 UN number or ID number****ADR, IMDG, IATA**

UN1263

**14.2 UN proper shipping name****ADR  
IMDG  
IATA**1263 PAINT, ENVIRONMENTALLY HAZARDOUS  
PAINT, MARINE POLLUTANT  
PAINT**14.3 Transport hazard class(es)****ADR****Class  
Label  
IMDG**3 (F1) Flammable liquids.  
3**Class**

3 Flammable liquids.

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Version number 04-03 (replaces version 04-02)

Revision: 06.02.2025

Trade name: **DELTA® 2K Haftgrund**

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<b>Label IATA</b>	3
	
<b>Class</b>	3 Flammable liquids.
<b>Label</b>	3
<b>14.4 Packing group ADR, IMDG, IATA</b>	III
<b>14.5 Environmental hazards:</b>	Product contains environmentally hazardous substances: Hydrocarbons, C9, aromatics
<b>Marine pollutant:</b>	Symbol (fish and tree)
<b>Special marking (ADR):</b>	Symbol (fish and tree)
<b>14.6 Special precautions for user</b>	Warning: Flammable liquids.
<b>Hazard identification number (Kemler code):</b>	30
<b>EMS Number:</b>	F-E, <u>S-E</u>
<b>Stowage Category</b>	A
<b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not applicable.
<b>Transport/Additional information:</b>	
<b>ADR</b>	
<b>Limited quantities (LQ)</b>	5L
<b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
<b>Transport category</b>	3
<b>Tunnel restriction code</b>	D/E
<b>IMDG</b>	
<b>Limited quantities (LQ)</b>	5L
<b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
<b>UN "Model Regulation":</b>	UN 1263 PAINT, 3, III, (D/E), ENVIRONMENTALLY HAZARDOUS

### 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.

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### Seveso category

E2 Hazardous to the Aquatic Environment

P5c FLAMMABLE LIQUIDS

**Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t

**Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t

**REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

**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 j (SB) 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. 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.

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

#### Additional information:

Contains epoxy constituents. May produce an allergic reaction.

Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

#### Wording of H and EUH phrases (number and full text)

- H226 Flammable liquid and vapour.  
 H302 Harmful if swallowed.  
 H304 May be fatal if swallowed and enters airways.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H319 Causes serious eye irritation.  
 H331 Toxic if inhaled.  
 H335 May cause respiratory irritation.  
 H336 May cause drowsiness or dizziness.  
 H351 Suspected of causing cancer.  
 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.  
 EUH066 Repeated exposure may cause skin dryness or cracking.  
 EUH205 Contains epoxy constituents. May produce an allergic reaction.

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

Flammable liquids	On basis of test data
Skin corrosion/irritation Serious eye damage/irritation Skin sensitisation Specific target organ toxicity (single exposure) 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.

**Date of previous version:** 23.01.2024

**Version number of previous version:** 04-02

#### Abbreviations and acronyms:

- ATE: Acute toxicity estimate values  
 Flam. Liq. 3: Flammable liquids – Category 3  
 Acute Tox. 4: Acute toxicity – Category 4  
 Acute Tox. 3: Acute toxicity – Category 3  
 Skin Irrit. 2: Skin corrosion/irritation – Category 2  
 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
 Skin Sens. 1: Skin sensitisation – Category 1  
 Carc. 2: Carcinogenicity – Category 2  
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
 Asp. Tox. 1: Aspiration hazard – 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

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