

Safety Data Sheet

according to WHS Regulations

Printing date 27.03.2023

Version number 02-02

Revision: 27.03.2023

1 Identification**Product identifier**Trade name: **DELTA® Flächenlasur 5.02****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.

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**Emergency telephone number:**

Emergency CONTACT Australia (24-Hour-Number):
Infotrac/GBK GmbH +61-280735031

2 Hazard(s) Identification**Classification of the substance or mixture**

health hazard

Carc. 2 H351 Suspected of causing cancer.

Label elements**GHS label elements**

The product is classified and labelled according to the Globally Harmonised System (GHS).

Hazard pictograms

GHS08

Signal word Warning**Hazard-determining components of labelling:**

Titanium dioxide

Hazard statements

Suspected of causing cancer.

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Precautionary statements

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
IF exposed or concerned: Get medical advice/attention.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.
vPvB: Not applicable.

3 Composition and Information on Ingredients

Chemical characterisation: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

112-34-5	2-(2-Butoxyethoxy)ethanol	Serious eye damage/irritation – Category 2A, H319	<5%
57-55-6	Propylene glycol		<2.5%

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:

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.

After skin contact:

Wash with plenty of soap and water.
In case of skin reactions consult a physician. Do not scratch.

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 out mouth and then drink plenty of water.
Seek immediate medical advice.

Information for doctor:

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

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Indication of any immediate medical attention and special treatment needed Symptomatic treatment.**5 Fire Fighting Measures****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**Special hazards arising from the substance or mixture**Fire will produce dangerous decomposition products like dense, black smoke, carbon dioxide (CO₂), carbon monoxide (CO) and nitrogen oxides (NO_x). Inhalation may cause serious health damage.

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

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.

6 Accidental Release Measures**Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

Avoid contact with skin and eyes.

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.

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.

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.

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7 Handling and Storage

Handling:

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

Information about fire - and explosion protection: No special measures required.

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: Store away from foodstuffs.

Further information about storage conditions: None.

Storage class: 12

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

8 Exposure controls and personal protection

Additional information about design of technical facilities:

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

Control parameters

Ingredients with limit values that require monitoring at the workplace:

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

IOELV (EU)	Short-term value: 101.2 mg/m ³ , 15 ppm Long-term value: 67.5 mg/m ³ , 10 ppm
TLV (USA)	Long-term value: 10* ppm *Inhalable fraction and vapor

57-55-6 Propylene glycol

WES (Australia)	Long-term value: 474* 10** mg/m ³ , 150* ppm *vapour&particulates;**particulates only
WEEL (USA)	Long-term value: 10 mg/m ³

Regulatory information

IOELV (EU): (EU) 2019/1831

TLV (USA): Guide to Occupational Exposure Values (TLV)

WEEL (USA): Guide to Occupational Exposure Values (AIHA WEELs)

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

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.

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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:**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: Wear protective goggles to protect against splashing.

Body protection: Impervious protective clothing

9 Physical and Chemical Properties**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: 8-10

Change in condition

Melting point/Freezing point: Not security-related.
Initial boiling point and boiling range: 100 °C (H₂O)

Flash point: Not applicable.

Flammability (solid, gas): Not applicable.

Ignition temperature: Not applicable.

Decomposition temperature: For mixtures not applicable.

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Auto-ignition temperature:	Product is not selfigniting.
Explosive properties:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Oxidising properties	In its condition as supplied, the product is neither flammable nor oxidising.
Vapour pressure at 20 °C:	23 hPa (H ₂ O)
Density at 20 °C:	1.01-1.07 g/cm ³
Vapour density	Not applicable.
Evaporation rate	For mixtures not applicable.
Solubility in / Miscibility with water:	Miscible / waterdilutable.
polar solvents:	Partly miscible.
non-polar solvents:	Not miscible or difficult to mix.
Partition coefficient: n-octanol/water:	For mixtures not applicable.
Viscosity:	Not security-related.
Other information	No further relevant information available.

10 Stability and Reactivity

Reactivity

No dangerous reactions are known.
No further relevant information available.

Chemical stability Product is stable under normal storage conditions.

Possibility of hazardous reactions

No dangerous reactions known.
No dangerous reactions are known.

Conditions to avoid No further relevant information available.

Incompatible materials: strong oxidizing agents

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.

11 Toxicological Information

Information on toxicological effects

Acute toxicity

LD/LC50 values relevant for classification: No further relevant information available.

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Specific symptoms in biological assay:**Skin corrosion/irritation** May cause irritations.**Serious eye damage/irritation** May cause irritations.**Respiratory or skin sensitisation** No sensitising effects known.**Additional toxicological information:** Carcinogenic.**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

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

Carc. 2

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.

12 Ecological Information**Toxicity****Aquatic toxicity:** There are no statements/information available of the preparation.**Persistence and degradability** No further relevant information available.**Behaviour in environmental systems:****Bioaccumulative potential** No further relevant information available.**Mobility in soil** No further relevant information available.**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.**Other adverse effects** No further relevant information available.**13 Disposal considerations****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.

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14 Transport information

UN-Number ADG, ADN, IMDG, IATA	Void
UN proper shipping name ADG, ADN, IMDG, IATA	Void
Transport hazard class(es) ADG, ADN, IMDG, IATA Class	Void
Packing group ADG, IMDG, IATA	Void
Environmental hazards:	Not applicable.
Special precautions for user	Not applicable.
Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
UN "Model Regulation":	Void

15 Regulatory information**Safety, health and environmental regulations/legislation specific for the substance or mixture****Australian Inventory of Industrial Chemicals**

7732-18-5	water
112-34-5	2-(2-Butoxyethoxy)ethanol
57-55-6	Propylene glycol
13463-67-7	Titanium dioxide
1332-58-7	Kaolin
8002-74-2	Paraffin waxes and Hydrocarbon waxes
51274-00-1	Pigment Yellow 42
1333-86-4	Pigment Black 7
56-81-5	glycerol
7631-86-9	silicon dioxide, chemically prepared
124-68-5	2-amino-2-methylpropanol
1309-37-1	C.I. Pigment Red 101
6358-31-2	Pigment Yellow 74
134180-76-0	Polyethermodifiziertes Trisiloxan
709014-51-7	Fatty acid, modified, polymers
78330-20-8	Polyoxyethylen isodecyl ether

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68611-44-9	Silane, dichlorodimethyl-, reaction products with silica
111-76-2	2-Butoxyethanol
83653-00-3	Modified polyether
2634-33-5	1,2-benzisothiazol-3(2H)-one
8002-43-5	soy lecithin
61791-12-6	Castor oil, ethoxylated
9005-00-9	Octadecan-1-ol, ethoxylated
3811-73-2	pyridine-2-thiol 1-oxide, sodium salt
55406-53-6	3-Iodo-2-propynylbutylcarbamate
68511-37-5	phosphoric monoester with lauryl and myristyl alcohol and EO
1314-13-2	zinc oxide
85-44-9	phthalic anhydride
52-51-7	2-bromo-2-nitropropane-1,3-diol
25322-69-4	Polypropylenglykol

Standard for the Uniform Scheduling of Medicines and Poisons

112-34-5	2-(2-Butoxyethoxy)ethanol	S5
111-76-2	2-Butoxyethanol	S6
55406-53-6	3-Iodo-2-propynylbutylcarbamate	S5, S6

GHS label elements

The product is classified and labelled according to the Globally Harmonised System (GHS).

Hazard pictograms



GHS08

Signal word Warning

Hazard-determining components of labelling:

Titanium dioxide

Hazard statements

Suspected of causing cancer.

Precautionary statements

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

IF exposed or concerned: Get medical advice/attention.

Store locked up.

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

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

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

Observe employment restrictions concerning young persons.

Observe employment restrictions for expectant or nursing mothers.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.**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.

Contact:**Abbreviations and acronyms:**

Serious eye damage/irritation – Category 2A: Serious eye damage/eye irritation – Category 2A

Carc. 2: Carcinogenicity – Category 2

Sources

- Regulation 1907/2006/EC (REACH-Regulation)

- Regulation 1272/2008/EC (CLP-Regulation)

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