

Safety data sheet

according to 1907/2006/EC, Article 31

DÖRKEN
COATINGS

Printing date 02.06.2021

Version number 02-01

Revision: 02.06.2021

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

1.1 Product identifier

Trade name: **DELTA-TINT® Decorative HP-U BLACK OXIDE 592**

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 Stainer

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:

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

The product is not classified, according to the CLP regulation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 Void**Hazard pictograms** Void**Signal word** Void**Hazard statements** Void**Additional information:**

EUH208 Contains 1,2-benzisothiazol-3(2H)-one, mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), 3-Iodo-2-propynylbutylcarbamate. May produce an allergic reaction.

EUH210 Safety data sheet available on request.

2.3 Other hazards

Results of PBT and vPvB assessment**PBT:** Not applicable.**vPvB:** Not applicable.

Safety data sheet

according to 1907/2006/EC, Article 31

DÖRKEN

COATINGS

Printing date 02.06.2021

Version number 02-01

Revision: 02.06.2021

Trade name: **DELTA-TINT® Decorative HP-U BLACK OXIDE 592**

(Contd. of page 1)

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

| | | | |
|------------|--|--------------------|-----|
| 90093-37-1 | 2,4,6-tris(1-phenylethyl)polyoxyethylenated phosphates | Eye Irrit. 2, H319 | <5% |
|------------|--|--------------------|-----|

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.

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.

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.

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 (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.

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 02.06.2021

Version number 02-01

Revision: 02.06.2021

Trade name: DELTA-TINT® Decorative HP-U BLACK OXIDE 592

(Contd. of page 2)

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

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.

DE/EN

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

DÖRKEN

COATINGS

Printing date 02.06.2021

Version number 02-01

Revision: 02.06.2021

Trade name: **DELTA-TINT® Decorative HP-U BLACK OXIDE 592**

(Contd. of page 3)

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:

56-81-5 glycerol

| | |
|---------------|--|
| AGW (Germany) | Long-term value: 200 E mg/m ³ 2 (I);DFG, Y |
|---------------|--|

Regulatory information AGW (Germany): TRGS 900

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: Not required.

Protection of hands:

No chemical-protective gloves required.

Preventive skin protection by use of skin-protecting agents is recommended.

Eye protection:

Goggles recommended during refilling

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

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: | Black |

| | |
|--------|----------------------|
| Odour: | Mild, slightly sweet |
|--------|----------------------|

| | |
|------------------|------------------------------|
| Odour threshold: | For mixtures not applicable. |
|------------------|------------------------------|

| | |
|--------------------|---------|
| pH-value at 20 °C: | 7.5-9.5 |
|--------------------|---------|

(Contd. on page 5)

DE/EN

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 02.06.2021

Version number 02-01

Revision: 02.06.2021

Trade name: DELTA-TINT® Decorative HP-U BLACK OXIDE 592

(Contd. of page 4)

| | |
|---|---|
| Change in condition | |
| Melting point/Freezing point: | Not security-related. |
| Initial boiling point and boiling range: | 100 °C (H ₂ 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. |
| 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: | 1.8-1.9 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. |
| 9.2 Other information | 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

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 02.06.2021

Version number 02-01

Revision: 02.06.2021

Trade name: **DELTA-TINT® Decorative HP-U BLACK OXIDE 592**

(Contd. of page 5)

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

The product is not tested as one of the above but rather is classified according to the conventional method (calculation procedure set out in the EU Regulation (EC) No 1272/2008) and according to the toxicological risks. See chapters 2 and 3 for detail.

LD/LC50 values relevant for classification:

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

| | | |
|------------|------------------------|---------------------|
| Oral | LD ₅₀ | 300-500 mg/kg (rat) |
| Dermal | LD ₅₀ | >2,000 mg/kg (rat) |
| Inhalative | LC ₅₀ / 4 h | 0.5 mg/l (ATE) |

Specific symptoms in biological assay:

Skin corrosion/irritation May cause irritations.

Serious eye damage/irritation May cause irritations.

Respiratory or skin sensitisation

The product contains sensitising substances that could cause allergic reactions (see sections 2 and 3).

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:

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

| | |
|-------------------------|--------------------------------|
| EC ₅₀ / 48 h | 0.47 mg/l (daphnia) (OECD 202) |
|-------------------------|--------------------------------|

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 02.06.2021

Version number 02-01

Revision: 02.06.2021

Trade name: DELTA-TINT® Decorative HP-U BLACK OXIDE 592

(Contd. of page 6)

| | |
|-----------------------------------|--|
| EC ₅₀ / 72 h | 0.049 mg/l (Pseudokirchneriella subcapitata) (OECD 201) |
| LC ₅₀ / 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 (half-life) |

12.3 Bioaccumulative potential

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

| | |
|--------------------------------|-----------------------|
| OECD 117 Log Kow (HPLC method) | 2.8 (n-octanol/water) |
|--------------------------------|-----------------------|

12.4 Mobility in soil No further relevant information available.

Ecotoxic 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 ₂₀ / 3 h | 8.2 mg/l (activated sludge organisms) (OECD 209) |
| EC ₅₀ / 3 h | 8.2 mg/l (activated sludge organisms) (OECD 209) |

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 12 | waste paint and varnish other than those mentioned in 08 01 11 |
|----------|--|

DE/EN

(Contd. on page 8)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 02.06.2021

Version number 02-01

Revision: 02.06.2021

Trade name: **DELTA-TINT® Decorative HP-U BLACK OXIDE 592**

(Contd. of page 7)

SECTION 14: Transport information

14.2 UN proper shipping name

UN-Number

ADR, ADN, IMDG, IATA

Void

ADR, ADN, IMDG, IATA

Void

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA

Class

Void

Packing group

ADR, IMDG, IATA

Void

14.5 Environmental hazards:

Not applicable.

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.

UN "Model Regulation":

Void

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.

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.

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** Not applicable.

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 02.06.2021

Version number 02-01

Revision: 02.06.2021

Trade name: DELTA-TINT® Decorative HP-U BLACK OXIDE 592

(Contd. of page 8)

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.

Labelling according to regulation (EC) No 528/2012

Additional information:

Contains 1,2-benzisothiazol-3(2H)-one, mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), 3-Iodo-2-propynylbutylcarbamate. May produce an allergic reaction.

Safety data sheet available on request.

Relevant phrases

H319 Causes serious eye irritation.

Abbreviations and acronyms:

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

* **Data compared to the previous version altered.** Replaces version 02-00