

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 06.03.2023

Version number 01-03

Revision: 06.03.2023

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**Trade name: **DELTA® Imprägniergrund 1.02****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**

GHS08 health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

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

GHS08

Signal word Danger

(Contd. on page 2)

DE/EN

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 06.03.2023

Version number 01-03

Revision: 06.03.2023

Trade name: **DELTA® Imprägniergrund 1.02**

(Contd. of page 1)

Hazard-determining components of labelling:

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Hazard statements

H304 May be fatal if swallowed and enters airways.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P331 Do NOT induce vomiting.

P405 Store locked up.

P501 Dispose of contents/container to hazardous or special waste collection point.

Additional information:

EUH066 Repeated exposure may cause skin dryness or cracking.

EUH208 Contains 3-Iodo-2-propynylbutylcarbamate. May produce an allergic reaction.

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.

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:

EC number: 918-481-9 Reg.nr.: 01-2119457273-39-xxxx	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics Asp. Tox. 1, H304, EUH066	75-<90%
CAS: 55406-53-6 EINECS: 259-627-5	3-Iodo-2-propynylbutylcarbamate Acute Tox. 3, H331; STÖT 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	0.95%

Additional information:

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

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.

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 06.03.2023

Version number 01-03

Revision: 06.03.2023

Trade name: DELTA® Imprägniergrund 1.02

(Contd. of page 2)

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:

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 mouth thoroughly with water.

Risk of aspiration!

Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

Allergic reactions

Prolonged/repetitive skin contact may cause skin defatting or dermatitis.

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

Hazards

When swallowed and vomited immediately, aspiration into the lungs may occur resulting in chemical pneumonia or suffocation.

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**

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 (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.

5.3 Advice for firefighters**Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

(Contd. on page 4)

DE/EN

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 06.03.2023

Version number 01-03

Revision: 06.03.2023

Trade name: DELTA® Imprägniergrund 1.02

(Contd. of page 3)

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.

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.

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 06.03.2023

Version number 01-03

Revision: 06.03.2023

Trade name: DELTA® Imprägniergrund 1.02

(Contd. of page 4)

Further information about storage conditions: None.**Storage class:** 10**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:** No data.**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 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.

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.

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/face protection

Wear protective goggles to protect against splashing.

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

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

Body protection: Solvent resistant protective clothing

DE/EN

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 06.03.2023

Version number 01-03

Revision: 06.03.2023

Trade name: **DELTA® Imprägniergrund 1.02**

(Contd. of page 5)

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

Fluid

Colour:

Colourless

Odour:

Weak after aliphatic hydrocarbons

Odour threshold:

For mixtures not applicable.

Melting point/Freezing point:

Not security-related.

Boiling point or initial boiling point and boiling range

186-214 °C (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics)

Flammability

Not applicable.

Lower and upper explosion limit**Lower:**

0.6 Vol % (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics)

Upper:

7 Vol % (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics)

Flash point:

>61 °C

Ignition temperature:

>200 °C (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics)

Decomposition temperature:

For mixtures not applicable.

pH

Mixture is non-soluble (in water).

Viscosity:< 20,5 mm²/s (40°C)**Solubility****water:**

Not miscible or difficult to mix.

polar solvents:

Not miscible or difficult to mix.

non-polar solvents:

Fully miscible.

Partition coefficient n-octanol/water (log value)

For mixtures not applicable.

Vapour pressure at 20 °C:

0.5 hPa (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics)

Density and/or relative density**Density at 20 °C:**~0.83 g/cm³**Vapour density**

Not applicable.

9.2 Other information**Appearance:****Form:**

Fluid

Important information on protection of health and environment, and on safety.**Auto-ignition temperature:**

Product is not selfigniting.

Explosive properties:

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

Change in condition**Softening point/range****Oxidising properties**

The product is flammable, although not oxidising.

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 06.03.2023

Version number 01-03

Revision: 06.03.2023

Trade name: **DELTA® Imprägniergrund 1.02**

(Contd. of page 6)

Evaporation rate

For mixtures not applicable.

Information with regard to physical hazard classes

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

No dangerous reactions are 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:

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

Oral	LD ₅₀	300-500 mg/kg (rat)
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(Contd. on page 8)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 06.03.2023

Version number 01-03

Revision: 06.03.2023

Trade name: **DELTA® Imprägniergrund 1.02**

(Contd. of page 7)

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

Skin corrosion/irritation

Based on available data, the classification criteria are not met.
Repeated exposure may cause skin dryness or cracking.

Serious eye damage/irritation

Splashes of solvent may cause irritation to the eye and reversible damage.
Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

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 May be fatal if swallowed and enters airways.

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 (carcinogenity, 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:

Harmful to aquatic life with long lasting effects.

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

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

(Contd. on page 9)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 06.03.2023

Version number 01-03

Revision: 06.03.2023

Trade name: **DELTA® Imprägniergrund 1.02**

(Contd. of page 8)

NOEC / 28 d	0.014 mg/l (Pimephales promelas (fathead minnow)) (OECD 210)
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12.2 Persistence and degradability

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics

OECD 301F Manometric Respirometry Test	80 % (28d) readily biodegradable
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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.

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

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)

Other information:

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

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

03 02 05*	other wood preservatives containing hazardous substances
HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

(Contd. on page 10)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 06.03.2023

Version number 01-03

Revision: 06.03.2023

Trade name: DELTA® Imprägniergrund 1.02

(Contd. of page 9)

HP14 | Ecotoxic

SECTION 14: Transport information**14.1 UN number or ID 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.

14.6 Special precautions for user

Not applicable.

14.7 Maritime transport in bulk according to IMO

instruments

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.

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.

(Contd. on page 11)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 06.03.2023

Version number 01-03

Revision: 06.03.2023

Trade name: DELTA® Imprägniergrund 1.02

(Contd. of page 10)

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 Not applicable.

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.

Labelling according to regulation (EC) No 528/2012

Active substance content in 100 g of product: 0.95 g 3-iodo-2-propynyl butylcarbamate (IPBC)

Authorisation number: see lid.

Authorisation holder:

Kurt Obermeier GmbH & Co. KG • Berghäuser Str. 70 • 57319 Bad Berleburg • Germany

Additional information: Do not use on wood which may come in direct contact with food and feeding stuff.

Relevant phrases

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

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.

EUH066 Repeated exposure may cause skin dryness or cracking.

Classification according to Regulation (EC) No 1272/2008

Aspiration hazard

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.

(Contd. on page 12)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 06.03.2023

Version number 01-03

Revision: 06.03.2023

Trade name: DELTA® Imprägniergrund 1.02

(Contd. of page 11)

Date of previous version: 29.10.2021

Abbreviations and acronyms:

Acute Tox. 4: Acute toxicity – Category 4

Acute Tox. 3: Acute toxicity – Category 3

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

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 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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