

## Safety data sheet

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

Printing date 25.09.2024

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

Revision: 25.09.2024

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

#### 1.1 Product identifier

Trade name: **DELTA® Imprägnierlasur plus 3.01**

#### 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

Biocide

For industrial or professional use only.

#### 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](mailto: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

(Contd. on page 2)

DE/EN

## Safety data sheet

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

Printing date 25.09.2024

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

Revision: 25.09.2024

Trade name: **DELTA® Imprägnierlasur plus 3.01**

(Contd. of page 1)

**Signal word** Danger

**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 in accordance with local/regional/national/international regulations.

**Additional information:**

EUH066 Repeated exposure may cause skin dryness or cracking.

EUH208 Contains 3-Iodo-2-propynylbutylcarbamate. 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.

**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	50-<75%
CAS: 13463-67-7 EINECS: 236-675-5 Reg.nr.: 01-2119489379-17-xxxx	Titanium dioxide Carc. 2, H351	1-<5%
EC number: 927-632-8 Reg.nr.: 01-2119457736-27-xxxx	Hydrocarbons, C14-C18, n-alkanes, isoalkanes, cyclics, < 2% aromatics Asp. Tox. 1, H304, EUH066	1-<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	0.95%
CAS: 68920-66-1 NLP: 500-236-9 Reg.nr.: 01-2119489407-26-xxxx	Alcohols, C16-18 and C18-unsaturated, ethoxylated Aquatic Acute 1, H400; Skin Irrit. 2, H315	<0.25%

(Contd. on page 3)

## Safety data sheet

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

Printing date 25.09.2024

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

Revision: 25.09.2024

Trade name: **DELTA® Imprägnierlasur plus 3.01**

(Contd. of page 2)

EC number: 931-745-8 Reg.nr.: 01-2119582803-32-xxxx	Imidazolium compounds, 2-(C17 and C17-unsatd. alkyl)-1-[2-(C18 and C18-unsatd. amido)ethyl]-4,5-dihydro-1-methyl, Me sulfates Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Eye Irrit. 2, H319	<0.25%
CAS: 61791-53-5 EINECS: 263-186-4	Amines, N-tallow alkyltrimethylenedi-, oleates Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=100); Skin Irrit. 2, H315	<0.0015%

### 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.

#### 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.

DE/EN

(Contd. on page 4)

## Safety data sheet

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

Printing date 25.09.2024

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

Revision: 25.09.2024

**Trade name: DELTA® Imprägnierlasur plus 3.01**

(Contd. of page 3)

### 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 (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.

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.

(Contd. on page 5)

DE/EN

**Safety data sheet**

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

Printing date 25.09.2024

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

Revision: 25.09.2024

**Trade name: DELTA® Imprägnierlasur plus 3.01**

(Contd. of page 4)

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.

**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:**

**68920-66-1 Alcohols, C16-18 and C18-unsaturated, ethoxylated**

MAK (Germany) | vgl. Abschn. IIb und Xc

**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:**

Breathing protection is always required when spraying.

(Contd. on page 6)

**Safety data sheet**

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

Printing date 25.09.2024

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

Revision: 25.09.2024

**Trade name: DELTA® Imprägnierlasur plus 3.01**

(Contd. of page 5)

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.

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

Fluid

**Colour:**

Different according to colouring

**Odour:**

Weak after aliphatic hydrocarbons

**Odour threshold:**

Not applicable for mixtures.

**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, &lt; 2% aromatics)

**Flammability**

Not applicable.

**Lower and upper explosion limit****Lower:**

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

**Upper:**

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

**Flash point:**

&gt;61 °C

**Auto-ignition temperature:**

&gt;200 °C (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, &lt; 2% aromatics)

**Decomposition temperature:**

For mixtures not applicable.

**pH**

Mixture is non-soluble (in water).

**Viscosity:**< 20,5 mm<sup>2</sup>/s (40°C)

(Contd. on page 7)

**Safety data sheet**

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

Printing date 25.09.2024

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

Revision: 25.09.2024

**Trade name: DELTA® Imprägnierlasur plus 3.01**

(Contd. of page 6)

**Solubility**

<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>	0.5 hPa (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics)
<b>Density and/or relative density</b>	
<b>Density at 20 °C:</b>	~0.86 g/cm <sup>3</sup>
<b>Vapour density</b>	Not applicable.

**9.2 Other information****Appearance:****Form:** Fluid**Important information on protection of health and environment, and on safety.****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.

**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>	Void
<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

DE/EN

(Contd. on page 8)

## Safety data sheet

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

Printing date 25.09.2024

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

Revision: 25.09.2024

Trade name: **DELTA® Imprägnierlasur plus 3.01**

(Contd. of page 7)

### 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:**

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)
Inhalative	LC <sub>50</sub> / 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

(Contd. on page 9)



## Safety data sheet

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

Printing date 25.09.2024

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

Revision: 25.09.2024

Trade name: **DELTA® Imprägnierlasur plus 3.01**

(Contd. of page 8)

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:

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

#### 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.

(Contd. on page 10)

## Safety data sheet

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

Printing date 25.09.2024

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

Revision: 25.09.2024

Trade name: **DELTA® Imprägnierlasur plus 3.01**

(Contd. of page 9)

### 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 <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)

#### 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
HP7	Carcinogenic
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.

(Contd. on page 11)

**Safety data sheet**

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

Printing date 25.09.2024

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

Revision: 25.09.2024

**Trade name: DELTA® Imprägnierlasur plus 3.01**

(Contd. of page 10)

<b>14.7 Maritime transport in bulk according to IMO instruments</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**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 3 (Self-assessment): extremely hazardous for water.**Labelling according to Regulation (EC) No 2004/42**

VOC limit 2010 for category f (SB): 700 g/l. This product contains max 700 g/l VOCs.

**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.

(Contd. on page 12)

**Safety data sheet**

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

Printing date 25.09.2024

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

Revision: 25.09.2024

**Trade name: DELTA® Imprägnierlasur plus 3.01**

(Contd. of page 11)

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 • 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.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H318 Causes serious eye damage.  
 H319 Causes serious eye irritation.  
 H331 Toxic if inhaled.  
 H351 Suspected of causing cancer.  
 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.
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**Date of previous version:** 24.01.2024**Version number of previous version:** 02-03**Abbreviations and acronyms:**

- ATE: Acute toxicity estimate values  
 Acute Tox. 4: Acute toxicity – Category 4  
 Acute Tox. 3: Acute toxicity – Category 3  
 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  
 Carc. 2: Carcinogenicity – Category 2  
 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.**