

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 01.09.2020

Version number 01-01

Revision: 01.09.2020

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

Trade name: DELTA® AntiCor 1K Intensiv-Grund

Safety data sheet number: 07-071904268401

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
 formerly: CD-Color 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



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

STOT SE 3 H335-H336 May cause respiratory irritation. 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:

Hydrocarbons, C9, aromatics

Hazard statements

H226 Flammable liquid and vapour.

H335-H336 May cause respiratory irritation. 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.
- P240 Ground and bond container and receiving equipment.
- P261 Avoid breathing mist/vapours/spray.
- P273 Avoid release to the environment.
- P280 Wear protective gloves.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P312 Call a doctor if you feel unwell.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P403+P235 Store in a well-ventilated place. Keep cool.
- 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.

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.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 64742-95-6	Solvent naphtha (petroleum), light arom.	25-50%
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	10%
CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32-xxxx	xylene (mix) Flam. Liq. 3, H226; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	1-10%
CAS: 1314-13-2 EINECS: 215-222-5 Reg.nr.: 01-2119463881-32-xxxx	zinc oxide Aquatic Acute 1, H400; Aquatic Chronic 1, H410	≥2.5-<5%

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.

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

Inhalation may cause an irritating effect to mucous membranes.

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

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

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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 (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.

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.

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See Section 13 for disposal information.

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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 elektrostatically. 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.

Protect against electrostatic charges.

Solvent fumes are heavier than air and spread over the ground. Fumes can form an explosive mixture with air.

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

Additional information about design of technical facilities:

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

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

7779-90-0 Trizinc bis(orthophosphate)

MAK (Germany)	Long-term value: 0.1A* 2E** mg/m ³ *alveolengängig; **einatembar
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1330-20-7 xylene (mix)

AGW (Germany)	Long-term value: 440 mg/m ³ , 100 ppm 2(II);DFG, EU, H
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1314-13-2 zinc oxide

MAK (Germany)	Long-term value: 1A mg/m ³ Rauch
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Regulatory information AGW (Germany): TRGS 900
Ingredients with biological limit values:
1330-20-7 xylene (mix)

BGW (Germany)	1.5 mg/l Untersuchungsmaterial: Vollblut Probennahmezeitpunkt: Expositionsende bzw. Schichtende Parameter: Xylol
	2 g/l Untersuchungsmaterial: Urin Probennahmezeitpunkt: Expositionsende bzw. Schichtende Parameter: Methylhippur-(Tolur-)Säure

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.

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.

Protection of hands:

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

Fluorocarbon rubber (Viton)

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:

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
Appearance:

Form: Fluid
Colour: Different according to colouring

Odour: Strong after aromatic hydrocarbons

Odour threshold: For mixtures not applicable.

pH-value: Not applicable to preparations which contain solvents.

Change in condition

Melting point/Freezing point: Not security-related.

Initial boiling point and boiling range: The specified boiling point corresponds to the manufacturer's specifications for the lowest boiling fraction.

Flash point: 25 °C

Flammability (solid, gas): Not applicable.

Ignition temperature: 450 °C
 The specified ignition temperature refers to the solvent manufacturer specifications.

Decomposition temperature: For mixtures not applicable.

Auto-ignition temperature: Product is not selfigniting.

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

Explosion limits:

Lower: 1.0 Vol %
Upper: 0.0 Vol %
 The specified explosion limits refer to the solvent manufacturer specifications.

Oxidising properties The product is flammable, although not oxidising.

Vapour pressure: The specified vapour pressure refers to the solvent manufacturer specifications.

Relative density > 1,00

Vapour density Not applicable.

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Evaporation rate	For mixtures not applicable.
Solubility in / Miscibility with	
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:	For mixtures not applicable.
Viscosity:	< 60 s (20°C / ISO 2431 / 6 mm) > 20,5 mm ² /s (40°C)
Solvent content:	
VOC (EC)	VOC limit 2010 for Category i (SB): 500g/l.
9.2 Other information	No further relevant information available.

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 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:

The quoted data are literature values and/or manufacturer/supplier data.

64742-95-6 Solvent naphtha (petroleum), light arom.

Oral	LD ₅₀	> 2000 mg/kg (rat)
Dermal	LD ₅₀	> 2000 mg/kg (rabbit)

7779-90-0 Trizinc bis(orthophosphate)

Oral	LD ₅₀	> 5000 mg/kg (rat)
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1330-20-7 xylene (mix)

Oral	LD ₅₀	>2000 mg/kg (rat)
Dermal	LD ₅₀	>1000 mg/kg (rabbit)
Inhalative	LC ₅₀ / 4 h	>10 mg/l (rat)

1314-13-2 zinc oxide

Oral	LD ₅₀	> 5000 mg/kg (rat) (OECD 401)
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Skin corrosion/irritation Repeated exposure may cause skin dryness or cracking.

Serious eye damage/irritation Based on available data, the classification criteria are not met.

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

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

May cause respiratory irritation. 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.

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.

SECTION 12: Ecological information

12.1 Toxicity
Aquatic toxicity:

Toxic to aquatic life with long lasting effects.

7779-90-0 Trizinc bis(orthophosphate)

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

1330-20-7 xylene (mix)

LC ₅₀ / 96 h	13.5 mg/l (fish)
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1314-13-2 zinc oxide

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

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential
1330-20-7 xylene (mix)

Partition Coefficient log Pow	3.15 (n-octanol/water)
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12.4 Mobility in soil No further relevant information available.

General notes:

Do not allow product to reach ground water, water course or sewage system.
 Danger to drinking water if even small quantities leak into the ground.

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

Special waste. Do not empty residuals into drain or WC; send to collection for problem waste. Do not dispose of with household waste.

European waste catalogue

08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances
HP 3	Flammable
HP 5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP 14	Ecotoxic

Uncleaned packaging:
Recommendation:

Disposal must be made according to official regulations.

Not contaminated packages may be recycled.

Do not dispose of with household waste. Do not empty into drains.

Hand over receptacles/packages with remainders/leftovers to hazardous waste disposers or collection site for hazardous waste.

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SECTION 14: Transport information
UN-Number
ADR, IMDG, IATA

UN1263

14.2 UN proper shipping name
ADR
IMDG

 1263 PAINT, ENVIRONMENTALLY HAZARDOUS
 PAINT (Solvent naphtha (petroleum), light arom., Trizinc
 bis(orthophosphate)), MARINE POLLUTANT
IATA PAINT

14.3 Transport hazard class(es)
ADR
Class
Label
IMDG

 3 (F1) Flammable liquids.
 3

Class
Label
IATA

 3 Flammable liquids.
 3

Class
Label

 3 Flammable liquids.
 3

Packing group
ADR, IMDG, IATA

III

14.5 Environmental hazards:

 Product contains environmentally hazardous substances:
 Trizinc bis(orthophosphate), zinc oxide

Marine pollutant:

Symbol (fish and tree)

Special marking (ADR):

Symbol (fish and tree)

14.6 Special precautions for user

Warning: Flammable liquids.

Hazard identification number (Kemler code):

30

EMS Number:

F-E,S-E

Stowage Category

A

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14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

Transport/Additional information:
ADR
Limited quantities (LQ)

5L

Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

Transport category

3

Tunnel restriction code

D/E

IMDG
Limited quantities (LQ)

5L

Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

Remarks:

Not subject to the IMDG provisions when packed in receptacles not exceeding 30 L capacity.

UN "Model Regulation":

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.

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

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 2010 for category i (SB): 500 g/l. This product contains max 500 g/l VOCs.

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.

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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:

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

Relevant phrases

H226 Flammable liquid and vapour.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H332 Harmful if inhaled.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Classification according to Regulation (EC) No 1272/2008

Flammable liquids	On basis of test data
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.

Abbreviations and acronyms:

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity - dermal – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

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

Sources

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

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

* **Data compared to the previous version altered.** Replaces version 01-00