



Leistung verbindet

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 10.08.2016

Version number 01-08

Revision: 10.08.2016

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

1.1 Product identifier

Trade name: DELTA® Polymer SG

Safety data sheet number: 190589DE

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:

CD-Color GmbH & Co. KG

Wetterstraße 58

D-58313 Herdecke

GERMANY

Telephone: +49 (0)2330/926-0 (Central office)

Telefax: +49 (0)2330/926-580 (Central office)

Internet: www.cd-color.de

E-mail: info@cd-color.de

Further information obtainable from:

Department "Anwendungstechnik" => Telephone: +49 (0)2330/926-285 (Service)

Department "Entwicklung" => Telephone: +49 (0)2330/926-184

E-Mail: msds@cd-color.de

1.4 Emergency telephone number: GIZ-Nord, Germany, Telephone: +49 (0)551-19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Flam. Liq. 3 H226 Flammable liquid and vapour.

STOT SE 3 H336 May cause drowsiness or dizziness.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

Xi; Irritant

R37: Irritating to respiratory system.

R10-52/53-66-67: Flammable. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

Information concerning particular hazards for human and environment: Not applicable.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

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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

Signal word Warning

Hazard-determining components of labelling:

Hydrocarbons C9, aromatics

1-Methoxy-2-propanol

xylene (mix)

Hazard statements

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P261 Avoid breathing mist/vapours/spray.

P273 Avoid release to the environment.

P280 Wear protective gloves.

P271 Use only outdoors or in a well-ventilated area.

P312 Call a doctor if you feel unwell.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

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.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

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918-668-5 Reg.nr.: 01-2119455851-35-xxxx	Hydrocarbons C9, aromatics Xn R65; Xi R37; N R51/53 R10-66-67 Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335-H336	10-<20%
CAS: 107-98-2 EINECS: 203-539-1 Reg.nr.: 01-2119457435-35-xxxx	1-Methoxy-2-propanol R10-67 Flam. Liq. 3, H226; STOT SE 3, H336	10-<20%
CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32-xxxx	xylene (mix) Xn R20/21-65; Xi R36/37/38 R10 Flam. Liq. 3, H226; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	1-<10%
CAS: 100-41-4 EINECS: 202-849-4 Reg.nr.: 01-2119489370-35-xxxx	ethylbenzene Xn R20-48/20-65; F R11 R52/53 Flam. Liq. 2, H225; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H332; Aquatic Chronic 3, H412	0.1-<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. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

Supply fresh air; consult doctor in case of complaints.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

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

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.

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

Cool endangered receptacles with water spray.

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.

Do not breathe vapours.

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.

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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).

Anti-static clothing including shoes are recommended. Material can become charged electrostatically.

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:

Store only in the original receptacle.

Protect from frost.

Store container tightly closed in a dry and cool place.

Protect against heat /sun rays.

Make sure spills can be contained, e.g. in sump pallets.

Do not empty containers with pressure - no pressure vessel!

Information about storage in one common storage facility:

Store away from foodstuffs.

Store separately from substances of storage hazard class 10 or 11.

Further information about storage conditions: None.

Storage class: 3

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:

Hydrocarbons C9, aromatics

WEL (Great Britain)	Long-term value: 125 mg/m ³ , 25 ppm (trimethylbenzenes)
IOELV (European Union)	Long-term value: 100 mg/m ³ , 20 ppm (trimethylbenzole)

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107-98-2 1-Methoxy-2-propanol

WEL (Great Britain) Short-term value: 560 mg/m³, 150 ppm
Long-term value: 375 mg/m³, 100 ppm
Sk

IOELV (European Union) Short-term value: 568 mg/m³, 150 ppm
Long-term value: 375 mg/m³, 100 ppm
Skin

1330-20-7 xylene (mix)

WEL (Great Britain) Short-term value: 441 mg/m³, 100 ppm
Long-term value: 220 mg/m³, 50 ppm
Sk; BMGV

IOELV (European Union) Short-term value: 442 mg/m³, 100 ppm
Long-term value: 221 mg/m³, 50 ppm
Skin

100-41-4 ethylbenzene

WEL (Great Britain) Short-term value: 552 mg/m³, 125 ppm
Long-term value: 441 mg/m³, 100 ppm
Sk

IOELV (European Union) Short-term value: 884 mg/m³, 200 ppm
Long-term value: 442 mg/m³, 100 ppm
Skin

Regulatory information WEL (Great Britain): EH40/2011

DNELs

Hydrocarbons C9, aromatics

Dermal	Long term - systemic effects	25 mg/kg bw/day (worker)
Inhalative	Long term – systemic effects	150 mg/m ³ (worker)

107-98-2 1-Methoxy-2-propanol

Dermal	Long term - systemic effects	50.6 mg/kg bw/day (worker)
Inhalative	Long term – systemic effects	369 mg/m ³ (worker)
	Acute/short term - local effects	553.5 mg/m ³ (worker)

1330-20-7 xylene (mix)

Dermal	Long term - systemic effects	180 mg/kg bw/day (worker)
Inhalative	Long term – systemic effects	77 mg/m ³ (worker)
	Acute/short term – systemic effects	289 mg/m ³ (worker)
	Acute/short term - local effects	289 mg/m ³ (worker)

100-41-4 ethylbenzene

Dermal	Long term - systemic effects	180 mg/kg bw/day (worker)
Inhalative	Long term – systemic effects	77 mg/m ³ (worker)
	Acute/short term - local effects	293 mg/m ³ (worker) (irritation (respiratory tract))

PNECs

107-98-2 1-Methoxy-2-propanol

Predicted no effect concentration	10 mg/l (fresh water)
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	1 mg/l (marine water) 4.59 mg/kg dw (soil) 100 mg/l (STP (sewage treatment plants)) 4.17 mg/kg dw (sediment (marine water)) 41.6 mg/kg dw (sediment (freshwater)) 100 mg/l (water (intermittent releases))
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1330-20-7 xylene (mix)

Predicted no effect concentration	0.327 mg/l (fresh water) 0.327 mg/l (marine water) 2.31 mg/kg dw (soil) 6.58 mg/l (STP (sewage treatment plants)) 12.46 mg/kg dw (sediment (marine water)) 12.46 mg/kg dw (sediment (freshwater)) 0.327 mg/l (water (intermittent releases))
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100-41-4 ethylbenzene

Predicted no effect concentration	100 µg/l (fresh water) 10 µg/l (marine water) 2.68 mg/kg dw (soil) 9.6 mg/l (STP (sewage treatment plants)) 1.37 mg/kg dw (sediment (marine water)) 2.68 mg/kg dw (sediment (freshwater)) 100 µg/l (water (intermittent releases))
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Ingredients with biological limit values:

1330-20-7 xylene (mix)

BMGV (Great Britain)	650 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: methyl hippuric acid
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Regulatory information BMGV (Great Britain): EH40/2011

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.
- Immediately remove all soiled and contaminated clothing
- Do not inhale gases / fumes / aerosols.
- 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.

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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. Recommended glove: uvex rubiflex S

Material of gloves

Nitrile rubber

Minimum thickness: 0,4mm

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

Breakthrough time (full contact): >480 min

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

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.

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: According to product specification

Odour: Characteristic

Odour threshold: Not determined.

pH-value: Not determined.

Change in condition

Melting point/Freezing point: Undetermined.

Boiling point/Boiling range: Undetermined.

Flash point: 35 °C

Flammability (solid, gaseous): Not applicable.

Ignition temperature: > 400 °C
The specified ignition temperature refers to the solvent manufacturer specifications.

Decomposition temperature: Not determined.

Self-igniting: Product is not selfigniting.

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Danger of explosion:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Explosion limits:	
Lower:	0.7 Vol %
Upper:	7.0 Vol %
	The specified explosion limits refer to the solvent manufacturer specifications.
Oxidising properties	The product is flammable, although not oxidising.
Vapour pressure at 20 °C:	13 hPa
	The specified steam pressure refers to the solvent manufacturer specifications.
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
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):	Not determined.
Viscosity:	> 20,5mm ² /s > 60s/6mm ISO
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.
- 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.

ATE (Acute Toxicity Estimates)		
Dermal	LD50	13333 mg/kg (rabbit)
Inhalative	LC50 / 4 h	54.2 mg/l (rat)

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Hydrocarbons C9, aromatics		
Oral	LD50	3592 mg/kg (rat)
Dermal	LD50	> 3160 mg/kg (rabbit)
Inhalative	LC50 / 4 h	> 20 mg/l (rat)
107-98-2 1-Methoxy-2-propanol		
Oral	LD50	> 5000 mg/kg (rat)
Dermal	LD50	> 5000 mg/kg (rabbit)
Inhalative	LC50 / 4 h	54.6 mg/l (rat)
1330-20-7 xylene (mix)		
Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	>1000 mg/kg (rabbit)
Inhalative	LC50 / 4 h	>10 mg/l (rat)
100-41-4 ethylbenzene		
Oral	LD50	3500 mg/kg (rat)
Dermal	LD50	> 5000 mg/kg (rabbit)
Inhalative	LC50 / 4 h	17.2 mg/l (rat)

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.

Additional toxicological information:

There have been no reports or experiences regarding the toxic effect of the mixture on persons or laboratory animals.

Prolonged or repeated contact with the product may cause skin dryness and skin provoking/skin disease (dermatitis).

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 drowsiness or dizziness.

STOT-repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

General notes:

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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.

According to the current state of knowledge, it is not possible to rule out with absolute certainty other delayed or immediate effects following brief or prolonged exposure in excess of the OEL or MAK limit values.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

Harmful to aquatic life with long lasting effects.

Hydrocarbons C9, aromatics

EC50 / 48 h	6.14 mg/l (daphnia)
LC50 / 96 h	9.22 mg/l (fish)

LC50 / 96 h	9.22 mg/l (fish)
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107-98-2 1-Methoxy-2-propanol

EC50 / 48 h (static)	> 1000 mg/l (Daphnia magna (big water flea))
LC50 / 96 h	> 1000 mg/l (Oncorhynchus mykiss (rainbow trout)) (OECD 203)
	> 1000 mg/l (Leuciscus idus (golden orfe))
	> 1000 mg/l (Pimephales promelas (fathead minnow)) (OECD 203)

1330-20-7 xylene (mix)

LC50 / 96 h	13.5 mg/l (fish)
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100-41-4 ethylbenzene

EC50 / 48 h	2.1 mg/l (Daphnia magna (big water flea))
EC50 / 96 h	3.6 mg/l (algae)
LC50 / 96 h	12.1 mg/l (Pimephales promelas (fathead minnow))

12.2 Persistence and degradability

107-98-2 1-Methoxy-2-propanol

biodegradation	96 % (28d) (OECD 301E)
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12.3 Bioaccumulative potential

107-98-2 1-Methoxy-2-propanol

partition coefficient Log Kow	log Pow 0.37 (n-octanol/water)
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1330-20-7 xylene (mix)

partition coefficient Log Kow	3.15 log P (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.

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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
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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.

SECTION 14: Transport information

UN-Number

ADR, IMDG, IATA

UN1263

14.2 UN proper shipping name

ADR

1263 PAINT

IMDG, IATA

PAINT

14.3 Transport hazard class(es)

ADR



Class

3 (F1) Flammable liquids.

Label

3

IMDG, IATA



Class

3 Flammable liquids.

Label

3

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Packing group

ADR, IMDG, IATA

III

14.5 Environmental hazards:

Not applicable.

14.6 Special precautions for user

Warning: Flammable liquids.

Danger code (Kemler):

30

EMS Number:

F-E,S-E

Stowage Category

A

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)

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 P5c FLAMMABLE LIQUIDS

Qualifying quantity (tonnes) for the application of lower-tier requirements 5.000 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 50.000 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.

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

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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.

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

Relevant phrases

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.
- R10 Flammable.
- R11 Highly flammable.
- R20 Harmful by inhalation.
- R20/21 Harmful by inhalation and in contact with skin.
- R36/37/38 Irritating to eyes, respiratory system and skin.
- R37 Irritating to respiratory system.
- R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R65 Harmful: may cause lung damage if swallowed.
- R66 Repeated exposure may cause skin dryness or cracking.
- R67 Vapours may cause drowsiness and dizziness.

Abbreviations and acronyms:

- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- VOC: Volatile Organic Compounds (USA, EU)
- DNEL: Derived No-Effect Level (REACH)
- PNEC: Predicted No-Effect Concentration (REACH)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- Flam. Liq. 2: Flammable liquids – Category 2
- Flam. Liq. 3: Flammable liquids – Category 3
- Acute Tox. 4: Acute toxicity – Category 4

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Leistung verbindet

Safety data sheet

according to 1907/2006/EC, Article 31

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

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

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

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

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

Sources

- Regulation 1907/2006/EC (REACH-Regulation)
- Regulation 1272/2008/EC (CLP-Regulation)
- Directive 67/548/EEC (Classification and labelling of substances)
- Directive 1999/45/EC (Classification and labelling of preparations)