

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name : BEECK Exterior Stand Oil Paint pro
Revision date : 01.08.2019
Print date : 01.08.2019

Product code : FWB_B84
Version : 1.0.0

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

1.1 Product identifier

BEECK Exterior Stand Oil Paint pro

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

Oil paint for exterior.

1.3 Details of the supplier of the safety data sheet

Company name: BEECK'SCHE FARBWERKE GmbH
Street: Gottlieb-Daimler-Str. 4
Place: D-89150 Laichingen
Telephone: +49 (0) 7333 / 9607-11 Telefax: +49 (0) 7333 / 9607-10
e-mail: info@beeck.com
Contact person: Ralf Rieks

1.4 Emergency Telephone Number:

United Kingdom +44 870 600 626 / 0870 600 6266 GBK GmbH Regulatory Compliance +49(0)6132/84463

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Aquatic Chronic 3 ; H412 - Hazardous to the aquatic environment : Chronic 3 ; Harmful to aquatic life with long lasting effects.

Flam. Liq. 3 ; H226 - Flammable liquids : Category 3 ; Flammable liquid and vapour.

STOT SE 3 ; H336 - STOT-single exposure : Category 3 ; May cause drowsiness or dizziness.

Classification procedure

H226: Obtained based on test data

H336: Obtained on the basis of the calculation method

H412: Obtained on the basis of the calculation method

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms



Flame (GHS02) · Exclamation mark (GHS07)

Signal word

Warning

Hazard components for labelling

Kohlenwasserstoffe, C9-C11, n-alkanen, isoalkanen, cyclische aromaten (< 2%) ; CAS No. :

1174522-20-3 Hazard statements

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P233 Keep container tightly closed.

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P312 Call a POISON CENTER or doctor if you feel unwell.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

Special rules for supplemental label elements for certain mixtures

EUH208 Contains TURPENTINE OIL, 2-BUTANONE OXIME, 3-Iodo-2-propynylbutylcarbamate. May produce an allergic reaction.

2.3 Other hazards

Materials such as cleaning rags, paper wipes and protective clothing, which are contaminated with the product may spontaneously self-ignite some hours later. To avoid the risks of fires, all contaminated materials should be stored in purpose-built containers or in metal containers with tight-fitting self-closing lids, or laid out flat in a single layer to dry, or placed in a closed metal container soaked with water. Contaminated materials should be removed from the workplace at the end of each working day and be stored outside.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

Koolwaterstoffen, C9-C11, n-alkanen, isoalkanen, cyclisch aromaten (< 2%) ; EC No. : 919-857-5; CAS No. : 1174522-20-3

Weight fraction : $\geq 10 - < 20$ %

Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Asp. Tox. 1 ; H304 STOT SE 3 ; H336

NAPHTHA (PETROLEUM), HEAVY ALKYLATE ; EC No. : 265-067-2; CAS No. : 64741-65-7

Weight fraction : $\geq 2,5 - < 10$ %

Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Asp. Tox. 1 ; H304 Aquatic Chronic 4 ; H413

NAPHTHA (PETROLEUM), HYDROTREATED HEAVY Note H, P. The classifications carcinogenic or mutagenic are not applicable as the substance contains less than 0.1% by weight of benzene (200-753-7). ; EC No. : 265-150-3; CAS No. : 64742-48-9

Weight fraction : $\geq 2,5 - < 10$ %

Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Asp. Tox. 1 ; H304 Skin Irrit. 2 ; H315 STOT SE 3 ; H336 Aquatic Chronic 2 ; H411

TURPENTINE, OIL ; EC No. : 232-350-7; CAS No. : 8006-64-2

Weight fraction : $\geq 0,1 - < 1$ %

Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Asp. Tox. 1 ; H304 Acute Tox. 4 ; H302 Acute Tox. 4 ; H312 Acute Tox. 4 ; H332 Skin Irrit. 2 ; H315 Skin Sens. 1 ; H317 Eye Irrit. 2 ; H319 Aquatic Chronic 2 ; H411

ZIRCONIUM CARBOXYLATE ; REACH registration No. : 01-2119979088-21 ; EC No. : 245-018-1; CAS No. : 22464-99-9

Weight fraction : < 1 %

Classification 1272/2008 [CLP] : Repr. 2 ; H361d

2-BUTANONE OXIME ; REACH registration No. : 01-2119539477-28 ; EC No. : 202-496-6; CAS No. : 96-29-7

Weight fraction : $\geq 0,1 - < 1$ %

Classification 1272/2008 [CLP] : Carc. 2 ; H351 Eye Dam. 1 ; H318 Acute Tox. 4 ; H312 Skin Sens. 1 ; H317

3-Iodo-2-propynylbutylcarbamate EC No. 259-627-5 CAS No. 55406-53-6

Weight fraction : < 1 % Classification 1272/2008 [CLP] : Acute Tox. 4, Acute Tox. 4, Eye Dam. 1, Skin Sens. 1, STOT SE 3, Aquatic Acute 1 (M-Factor = 1); H302 H332 H318 H317 H335 H400

Additional information

Full text of H- and EUH-phrases: see section 16.

Components according to regulation (EG) Nr. 648/2004:

None

SECTION 4: First aid measures

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Never give anything by mouth to an unconscious person or a person with cramps. If unconscious place in recovery position and seek medical advice.

4.1 Description of first aid measures

Following inhalation

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If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. When in doubt or if symptoms are observed, get medical advice.

In case of skin contact

After contact with skin, wash immediately with plenty of water and soap. Immediately remove any contaminated clothing, shoes or stockings. Do not use solvents or diluting agents for skin cleaning. When in doubt or if symptoms are observed, get medical advice.

After eye contact

Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Do NOT induce vomiting. When in doubt or if symptoms are observed, get medical advice.

Self-protection of the first aider

First aider: Pay attention to self-protection!

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

alcohol resistant foam, Carbon dioxide (CO₂), Extinguishing powder, Sand Water mist.

Unsuitable extinguishing media

Strong water jet

5.2 Special hazards arising from the substance or mixture

None

5.3 Advice for firefighters

Do not allow run-off from fire-fighting to enter drains or water courses. Cool endangered containers with water in case of fire. Wear a self-contained breathing apparatus and chemical protective clothing.

Special protective equipment for firefighters

Heating causes rise in pressure with risk of bursting. Hazardous combustion products Carbon monoxide Carbon dioxide (CO₂), (dense) black smoke, Organic acids aldehydes.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

See protective measures under point 7 and 8.

6.2 Environmental precautions

Use appropriate container to avoid environmental contamination. Keep away from sources of ignition. - No smoking.

6.3 Methods and material for containment and cleaning up

Prevent leaks and prevent soil / water pollution caused by leaks. Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13).

6.4 Reference to other sections

SECTION 8: Exposure controls/personal protection SECTION 13: Disposal considerations

SECTION 7: Handling and storage

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Take care for general good hygiene and housekeeping.

7.1 Precautions for safe handling

Protective measures When using do not eat, drink, smoke, sniff. Wash hands before eating, drinking or smoking. Immediately remove any contaminated clothing, shoes or stockings.

Protective measures

Measures to prevent fire

Vapours can travel considerable distances to a source of ignition where they can ignite, flash back, or explode. Provide earthing of containers, equipment, pumps and ventilation facilities. No sparking tools should be used. Remove all sources of ignition. With finely divided hot particles, there is a risk of self-ignition. For example, the product contained in, for example, sawdust, clothing or insulation material may catch fire spontaneously. Keep fireproof, if contained in special oil absorbers or in clothing (risk of self-ignition). Avoid flammable, open flames.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Always close containers tightly after the removal of product. Never use pressure to empty container. Keep container tightly closed and in a well-ventilated place. Keep only in the original container at temperature not exceeding 40 °C.

Further information on storage conditions

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

DNEL/DMEL and PNEC values

DNEL/DMEL

Limit value type : DNEL Consumer (systemic) (Kohlenwasserstoffe, C9-C11, n-alkanen, isoalkanen, cyclische

Exposure route : aromaten (< 2%) ; CAS No. : 1174522-20-3)

Exposure frequency : Dermal

Limit value : Long-term

Safety factor : = 125 mg/kg

Limit value type : 24 h

Exposure route : DNEL Consumer (systemic) (Kohlenwasserstoffe, C9-C11, n-alkanen, isoalkanen, cyclische

Limit value : aromaten (< 2%) ; CAS No. : 1174522-20-3)

Safety factor : Inhalation

Limit value type : = 185 mg/m³

Exposure route : 24 h

Exposure route : DNEL Consumer (systemic) (Kohlenwasserstoffe, C9-C11, n-alkanen, isoalkanen, cyclische

Limit value : aromaten (< 2%) ; CAS No. : 1174522-20-3)

Safety factor : Oral

Limit value type : = 125 mg/kg

Exposure route : 24 h

Exposure frequency : DNEL worker (systemic) (Kohlenwasserstoffe, C9-C11, n-alkanen, isoalkanen, cyclische

Limit value : aromaten (< 2%) ; CAS No. : 1174522-20-3)

Safety factor : Dermal

Limit value type : Long-term

= 208 mg/kg

Exposure route : 24 h

Exposure frequency : DNEL worker (systemic) (Kohlenwasserstoffe, C9-C11, n-alkanen, isoalkanen, cyclische

Limit value : aromaten (< 2%) ; CAS No. : 1174522-20-3)

Inhalation

Long-term

= 871 mg/m³

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Safety factor : 8 h
Limit value type : DNEL Consumer (systemic) (NAPHTHA (PETROLEUM), HYDROTREATED HEAVY Note H, P. The classifications carcinogenic or mutagenic are not applicable as the substance contains less than 0.1% by weight of benzene (200-753-7). ; CAS No. : 64742-48-9)

Exposure route : Dermal
Exposure frequency : Long-term
Limit value : = 125 mg/kg
Safety factor : 24 h
Limit value type : DNEL Consumer (systemic) (NAPHTHA (PETROLEUM), HYDROTREATED HEAVY Note H, P. The classifications carcinogenic or mutagenic are not applicable as the substance contains less than 0.1% by weight of benzene (200-753-7). ; CAS No. : 64742-48-9)

Exposure route : Inhalation
Exposure frequency : Long-term
Limit value : = 185 mg/m³
Limit value type : DNEL Consumer (systemic) (NAPHTHA (PETROLEUM), HYDROTREATED HEAVY Note H, P. The classifications carcinogenic or mutagenic are not applicable as the substance contains less than 0.1% by weight of benzene (200-753-7). ; CAS No. : 64742-48-9)

Exposure route : Oral
Exposure frequency : Long-term
Limit value : = 125 mg/kg
Safety factor : 24 h
Limit value type : DNEL worker (systemic) (NAPHTHA (PETROLEUM), HYDROTREATED HEAVY Note H, P. The classifications carcinogenic or mutagenic are not applicable as the substance contains less than 0.1% by weight of benzene (200-753-7). ; CAS No. : 64742-48-9)

Exposure route : Dermal
Exposure frequency : Long-term
Limit value : = 208 mg/kg
Safety factor : 24 h
Limit value type : DNEL worker (systemic) (NAPHTHA (PETROLEUM), HYDROTREATED HEAVY Note H, P. The classifications carcinogenic or mutagenic are not applicable as the substance contains less than 0.1% by weight of benzene (200-753-7). ; CAS No. : 64742-48-9)

Exposure route : Inhalation
Exposure frequency : Long-term
Limit value : = 871 mg/m³
Limit value type : DNEL Consumer (local) (2-BUTANONE OXIME ; CAS No. : 96-29-7)

Exposure route : Inhalation
Exposure frequency : Long-term
Limit value : 2 mg/m³
Limit value type : DNEL Consumer (local) (2-BUTANONE OXIME ; CAS No. : 96-29-7)

Exposure route : Dermal
Exposure frequency : Long-term
Limit value : 0,78 mg/m³
Safety factor : 24 h
Limit value type : DNEL Consumer (systemic) (2-BUTANONE OXIME ; CAS No. : 96-29-7)

Exposure route : Inhalation
Exposure frequency : Long-term
Limit value : 2 mg/m³
Limit value type : DNEL Consumer (systemic) (2-BUTANONE OXIME ; CAS No. : 96-29-7)

Exposure route : Dermal
Exposure frequency : Long-term
Limit value : 0,78 mg/m³
Safety factor : 24 h
Limit value type : DNEL worker (local) (2-BUTANONE OXIME ; CAS No. : 96-29-7)

Exposure route : Inhalation
Exposure frequency : Long-term
Limit value : 3,3 mg/m³

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Limit value type : DNEL worker (local) (2-BUTANONE OXIME ; CAS No. : 96-29-7)
Exposure route : Dermal
Exposure frequency : Long-term
Limit value : 1,3 mg/m³
Safety factor : 24 h
Limit value type : DNEL worker (systemic) (2-BUTANONE OXIME ; CAS No. : 96-29-7)
Exposure route : Inhalation
Exposure frequency : Long-term
Limit value : 3,3 mg/m³
Limit value type : DNEL worker (systemic) (2-BUTANONE OXIME ; CAS No. : 96-29-7)
Exposure route : Dermal
Exposure frequency : Long-term
Limit value : 1,3 mg/m³
Safety factor : 24 h

PNEC

Limit value type : PNEC aquatic, freshwater (2-BUTANONE OXIME ; CAS No. : 96-29-7)
Limit value : 0,256 mg/l
Limit value type : PNEC sewage treatment plant (STP) (2-BUTANONE OXIME ; CAS No. : 96-29-7)
Limit value : 17,7 mg/l

8.2 Exposure controls

Appropriate engineering controls

Provide for sufficient ventilation. This can be achieved by local exhaust or general exhaust air collection. Wear a suitable respirator if the ventilation is not sufficient to keep the solvent vapour concentration below the occupational limit values.

Personal protection equipment

Eye/face protection

Suitable eye protection

Wear chemical resistant protective eye glasses.

Skin protection

Only wear fitting, comfortable and clean protective clothing. Personal should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber. All parts of the body should be washed after contact.

Hand protection

Suitable gloves type NBR (Nitrile rubber) Thickness > 0,4 mm; Breakthrough time (maximum wearing time) > 480 min. CR (polychloroprene, chloroprene rubber) Thickness > 0,25 mm; Breakthrough time (maximum wearing time) 60 - 120 min. Check protective gloves before each use concerning their normal condition.

Respiratory protection

Wear a respirator conforming to EN140 with Type A/P2 filter or better. Wear self-contained respirator during spray application.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Colour : No information available.

Odour : Noticeable.

Safety relevant basis data

Physical state :	liquid
Melting point/melting range :	not relevant
Freezing point :	not relevant
Initial boiling point and boiling range :	No data available
Decomposition temperature :	No data available
Flash point :	approx. 41 °C

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Ignition temperature :			No data available		
Lower explosion limit :				g/m ³	
Lower explosion limit :			No data available		
Upper explosion limit :			No data available		
Vapour pressure :	(50 °C)		No data available		
Density - dependent of color:	(20 °C)		0,93 - 0,95	g/cm ³	
Bulk density :			No data available		
Relative density :	(20 °C)		No data available		
Solvent separation test :	(20 °C)	<	3	%	
Water solubility :	(20 °C)		No data available		
pH :			not relevant		
log P O/W :			No data available		
Flow time :	(23 °C)	=	200	s	ISO cup 6 mm
Viscosity :	(20 °C)	approx.	950	mPa.s	
Cinematic viscosity :	(40 °C)		No data available		
Odour threshold :			No data available		
Relative vapour density :	(20 °C)		No data available		
Vapourisation rate :			No data available		
VOC-value :		approx.	296	g/l VOC	
Flammable solids :	Not applicable.				
Flammable gases :	Not applicable.				
Oxidising liquids :	Not relevant.				
Explosive properties :	Not relevant.				

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

No information available.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No information available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute effects

Acute oral toxicity

Parameter :	LD50 (Kohlenwasserstoffe, C9-C11, n-alkanen, isoalkanen, cyclische aromaten (< 2%) ; CAS No. : 1174522-20-3)
Exposure route :	Oral
Species :	Rat
Effective dose :	> 5000 mg/kg
Method :	OECD 401

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Parameter : LD50 (NAPHTHA (PETROLEUM), HEAVY ALKYLATE ; CAS No. : 64741-65-7)
Exposure route : Oral
Species : Rat
Effective dose : > 5000 mg/kg
Method : OECD 401

Parameter : LC50 (NAPHTHA (PETROLEUM), HYDROTREATED HEAVY Note H, P. The classifications carcinogenic or mutagenic are not applicable as the substance contains less than 0.1% by weight of benzene (200-753-7). ; CAS No. : 64742-48-9)
Exposure route : Oral
Species : Rabbit
Effective dose : > 5000 mg/kg

Parameter : LD50 (2-BUTANONE OXIME ; CAS No. : 96-29-7)
Exposure route : Oral
Species : Rat
Effective dose : 2326 mg/kg
Method : OECD 401

Acute dermal toxicity

Parameter : LD50 (Kohlenwasserstoffe, C9-C11, n-alkanen, isoalkanen, cyclische aromaten (< 2%) ; CAS No. : 1174522-20-3)
Exposure route : Dermal
Species : Rabbit
Effective dose : > 5000 mg/kg
Exposure time : 24 h
Method : OECD 402

Parameter : LD50 (NAPHTHA (PETROLEUM), HEAVY ALKYLATE ; CAS No. : 64741-65-7)
Exposure route : Dermal
Species : Rat
Effective dose : > 5000 mg/kg

Parameter : LC50 (NAPHTHA (PETROLEUM), HYDROTREATED HEAVY Note H, P. The classifications carcinogenic or mutagenic are not applicable as the substance contains less than 0.1% by weight of benzene (200-753-7). ; CAS No. : 64742-48-9)
Exposure route : Dermal
Species : Rabbit
Effective dose : => 3160 mg/kg

Parameter : LD50 (2-BUTANONE OXIME ; CAS No. : 96-29-7)
Exposure route : Dermal
Species : Rabbit
Effective dose : 1000 mg/m³
Method : OECD 402

Acute inhalation toxicity

Parameter : LC50 (Kohlenwasserstoffe, C9-C11, n-alkanen, isoalkanen, cyclische aromaten (< 2%) ; CAS No. : 1174522-20-3)
Exposure route : Inhalative (vapour)
Species : Rat
Effective dose : > 5000 mg/kg
Exposure time : 8 h
Method : OECD 403

Parameter : LC50 (NAPHTHA (PETROLEUM), HYDROTREATED HEAVY Note H, P. The classifications carcinogenic or mutagenic are not applicable as the substance contains less than 0.1% by weight of benzene (200-753-7). ; CAS No. : 64742-48-9)
Exposure route : Inhalative (vapour)
Species : Rat
Effective dose : > 4951 mg/m³
Exposure time : 4 h

Parameter : LC50 (2-BUTANONE OXIME ; CAS No. : 96-29-7)
Exposure route : Inhalation

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Species : Rat
Effective dose : 13200 mg/m³
Exposure time : 4 h

Irritant and corrosive effects

Primary irritation to the skin

Parameter : Primary irritation to the skin (NAPHTHA (PETROLEUM), HEAVY ALKYLATE ; CAS No. : 64741-65-7)

Result : Slightly irritant

Parameter : Primary irritation to the skin (NAPHTHA (PETROLEUM), HYDROTREATED HEAVY Note H, P. The classifications carcinogenic or mutagenic are not applicable as the substance contains less than 0.1% by weight of benzene (200-753-7). ; CAS No. : 64742-48-9)

Result : Irritant

Irritation to eyes

Parameter : Irritation to eyes (NAPHTHA (PETROLEUM), HEAVY ALKYLATE ; CAS No. : 64741-65-7)

Result : Not an irritant

Parameter : Irritation to eyes (NAPHTHA (PETROLEUM), HYDROTREATED HEAVY Note H, P. The classifications carcinogenic or mutagenic are not applicable as the substance contains less than 0.1% by weight of benzene (200-753-7). ; CAS No. : 64742-48-9)

Result : Not an irritant

Irritation to respiratory tract

No information available.

Sensitisation

In case of skin contact

Parameter : Skin sensitisation (NAPHTHA (PETROLEUM), HEAVY ALKYLATE ; CAS No. : 64741-65-7)

Result : Not sensitising.

Repeated dose toxicity (subacute, subchronic, chronic)

Subacute oral toxicity

Parameter : NOAEL(C) (NAPHTHA (PETROLEUM), HYDROTREATED HEAVY Note H, P. The classifications carcinogenic or mutagenic are not applicable as the substance contains less than 0.1% by weight of benzene (200-753-7). ; CAS No. : 64742-48-9)

Exposure route : Oral

Species : Rat

Effective dose : => 1000 mg/kg

Exposure time : 24 h

Subacute inhalation toxicity

Parameter : NOAEC (NAPHTHA (PETROLEUM), HYDROTREATED HEAVY Note H, P. The classifications carcinogenic or mutagenic are not applicable as the substance contains less than 0.1% by weight of benzene (200-753-7). ; CAS No. : 64742-48-9)

Exposure route : Inhalation

Species : Rat

Effective dose : >= 10400 mg/cm³

Exposure time : 6 h

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

No information available.

Germ cell mutagenicity

No information available.

Reproductive toxicity

No information available.

STOT-single exposure

No information available.

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STOT SE 3

Parameter : STOT SE 3 (Kohlenwasserstoffe, C9-C11, n-alkanen, isoalkanen, cyclische aromaten (< 2%) ; CAS No. : 1174522-20-3)

Exposure route : Inhalative

STOT-repeated exposure

No information available.

Aspiration hazard

No information available.

11.2 Toxicokinetics, metabolism and distribution

Human toxicological data

Inhalation/eye contact: in high concentrations irritating to the mucous membranes, narcotic effect and influence on power of reaction and loss of coordination possible. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Prolonged inhalation of vapours in high concentrations may lead to headache, giddiness and nausea.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity

Parameter : Acute (short-term) fish toxicity (Koolwaterstoffen, C9-C11, n-alkanen, isoalkanen, cyclische aromaten (< 2%) ; CAS No. : 1174522-20-3)

Species : Oncorhynchus mykiss (Rainbow trout)

Effective dose : > 1000 mg/l

Exposure time : 96 h

Method : OECD 203

Parameter : NOELR (Kohlenwasserstoffe, C9-C11, n-alkanen, isoalkanen, cyclische aromaten (< 2%) ; CAS No. : 1174522-20-3)

Species : Daphnia magna (Big water flea)

Evaluation parameter : Chronic (long-term) daphnia toxicity

Effective dose : = 0,23 mg/l

Exposure time : 504 h

Parameter : NOELR (Kohlenwasserstoffe, C9-C11, n-alkanen, isoalkanen, cyclische aromaten (< 2%) ; CAS No. : 1174522-20-3)

Species : Oncorhynchus mykiss (Rainbow trout)

Evaluation parameter : Chronic (long-term) fish toxicity

Effective dose : = 0,13 mg/l

Exposure time : 672 h

Parameter : LC50 (2-BUTANONE OXIME ; CAS No. : 96-29-7)

Species : Oryzias latipes (Ricefish)

Effective dose : > 100 mg/l

Exposure time : 96 h

Method : OECD 203

Parameter : EC50 (2-BUTANONE OXIME ; CAS No. : 96-29-7)

Species : Acute (short-term) algae toxicity

Effective dose : 11,8 mg/l

Exposure time : 72 h

Method : OECD 201

Parameter : EC50 (2-BUTANONE OXIME ; CAS No. : 96-29-7)

Species : Daphnia magna (Big water flea)

Effective dose : 201 mg/l

Exposure time : 48 h

Method : OECD 202

Acute (short-term) daphnia toxicity

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Parameter : Acute (short-term) daphnia toxicity (Koolwaterstoffen, C9-C11, n-alkanen, isoalkanen, cyclische aromaten (< 2%) ; CAS No. : 1174522-20-3)
Species : Daphnia magna (Big water flea)
Effective dose : > 1000 mg/l
Exposure time : 48 h
Method : OECD 202

Parameter : NOELR (Kohlenwasserstoffe, C9-C11, n-alkanen, isoalkanen, cyclische aromaten (< 2%) ; CAS No. : 1174522-20-3)
Species : Pseudokirchneriella subcapitata
Evaluation parameter : Inhibition of biomass development
Effective dose : = 3 mg/l
Exposure time : 72 h
Method : OECD 201

Parameter : NOELR (Kohlenwasserstoffe C9-C11, n-alkanen, isoalkanen, cyclische aromaten (< 2%) ; CAS No. : 1174522-20-3)
Species : Pseudokirchneriella subcapitata
Evaluation parameter : Inhibition of growth rate
Effective dose : = 100 mg/l
Exposure time : 72 h
Method : OECD 201

Parameter : NOEC (NAPHTHA (PETROLEUM), HEAVY ALKYLATE ; CAS No. : 64741-65-7)
Effective dose : <= 10 mg/l

Acute (short-term) algae toxicity

Parameter : Acute (short-term) algae toxicity (Koolwaterstoffen, C9-C11, n-alkanen, isoalkanen, cyclische aromaten (< 2%) ; CAS No. : 1174522-20-3)
Species : Pseudokirchneriella subcapitata
Effective dose : > 1000 mg/l
Exposure time : 72 h
Method : OECD 201

Parameter : EC50 (NAPHTHA (PETROLEUM), HYDROTREATED HEAVY Note H, P. The classifications carcinogenic or mutagenic are not applicable as the substance contains less than 0.1% by weight of benzene (200-753-7). ; CAS No. : 64742-48-9)
Species : Acute (short-term) algae toxicity
Evaluation parameter : Inhibition of growth rate
Effective dose : > 1000 mg/l
Exposure time : 72 h

Parameter : EC50 (NAPHTHA (PETROLEUM), HYDROTREATED HEAVY Note H, P. The classifications carcinogenic or mutagenic are not applicable as the substance contains less than 0.1% by weight of benzene (200-753-7). ; CAS No. : 64742-48-9)
Species : Acute (short-term) daphnia toxicity
Effective dose : > 1000 mg/l
Exposure time : 48 h

Chronic (long-term) algae toxicity

Parameter : NOEC (2-BUTANONE OXIME ; CAS No. : 96-29-7)
Species : Algae
Effective dose : 2,56 mg/l
Exposure time : 72 h
Method : OECD 201

Parameter : NOEC (2-BUTANONE OXIME ; CAS No. : 96-29-7)
Species : Daphnia magna (Big water flea)
Effective dose : 100 mg/l
Exposure time : 504 h
Method : OECD 211

Bacteria toxicity

Parameter : Bacteria toxicity (Kohlenwasserstoffe, C9-C11, n-alkanen, isoalkanen, cyclische aromaten (< 2%) ; CAS No. : 1174522-20-3)

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Effective dose : > 100 mg/l

12.2 Persistence and degradability

Biodegradation

Parameter : Biodegradation (Koolwaterstoffen, C9-C11, n-alkanen, isoalkanen, cyclische aromaten (< 2%) ; CAS No. : 1174522-20-3)
Effective dose : = 80 %
Exposure time : 672 h
Method : OECD 301F/ ISO 9408/ EEC 92/69/V, C.4-D
Parameter : Biodegradation (NAPHTHA (PETROLEUM), HEAVY ALKYLATE ; CAS No. : 64741-65-7)
Evaluation : Not readily biodegradable (according to OECD criteria)
Parameter : Biodegradation (NAPHTHA (PETROLEUM), HYDROTREATED HEAVY Note H, P. The classifications carcinogenic or mutagenic are not applicable as the substance contains less than 0.1% by weight of benzene (200-753-7). ; CAS No. : 64742-48-9)
Effective dose : = 80 %
Exposure time : 672 h
Method : OECD 301F/ ISO 9408/ EEC 92/69/V, C.4-D

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

No information available.

12.7 Additional ecotoxicological information

Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations

This mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

13.1 Waste treatment methods

The generation of waste should be avoided or minimised wherever possible. Disposal of this product and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

14.1 UN number

UN 1263

14.2 UN proper shipping name

Land transport (ADR/RID)

PAINT

Sea transport (IMDG)

PAINT

Air transport (ICAO-TI / IATA-DGR)

PAINT

14.3 Transport hazard class(es)

Land transport (ADR/RID)

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Class(es) : 3
Classification code : F1
Hazard identification number (Kemler No.) : 30
Tunnel restriction code : D/E
Special provisions : LQ 5 I · E 1 · Transport in containers with max. 450 litres contents are not subject to the regulations of ADR/RID.

Hazard label(s) :



3

Sea transport (IMDG)

Class(es) : 3
EmS-No. : F-E / S-E
Special provisions : LQ 5 I · E 1 · IMDG 2.3.2.5 (<= 30 l)
Hazard label(s) :



3

Air transport (ICAO-TI / IATA-DGR)

Class(es) : 3
Special provisions : E 1
Hazard label(s) :



3

14.4 Packing group

III

14.5 Environmental hazards

Land transport (ADR/RID) : No
Sea transport (IMDG) : No
Air transport (ICAO-TI / IATA-DGR) : No

14.6 Special precautions for user

None

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

None

15.2 Chemical safety assessment

Chemical safety assessments for substances in this preparation were not carried out.

15.3 Additional information

EU limit value for this product (cat. A/d): 300 g/l.

SECTION 16: Other information

16.1 Indication of changes

None

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16.2 Abbreviations and acronyms

a.i. = Active ingredient
ACGIH = American Conference of Governmental Industrial Hygienists (US)
ADR = European Agreement concerning the International Carriage of Dangerous Goods by Road
AFFF = Aqueous Film Forming Foam
AISE = International Association for Soaps, Detergents and Maintenance Products (joint project of AISE and CEFIC)
AOAC = AOAC International (formerly Association of Official Analytical Chemists)
aq. = Aqueous
ASTM = American Society of Testing and Materials (US)
atm = Atmosphere(s)
B.V. = Beperkt Vennootschap (Limited)
BCF = Bioconcentration Factor
bp = Boiling point at stated pressure
bw = Body weight
ca = (Circa) about
CAS No = Chemical Abstracts Service Number (see ACS - American Chemical Society)
CEFIC = European Chemical Industry Council (established 1972)
CIPAC = Collaborative International Pesticides Analytical Council
CLP = REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.
Conc = Concentration
cP = CentiPoise
cSt = Centistokes
d = Day(s)
DIN = Deutsches Institut für Normung e.V.
DNEL = Derived No-Effect Level
DT50 = Time for 50% loss; half-life
EbC50 = Median effective concentration (biomass, e.g. of algae)
EC = European Community; European Commission
EC50 = Median effective concentration
EINECS = European Inventory of Existing Commercial Chemical Substances (EU, outdated, now replaced by EC Number)
ELINCS = European List of Notified (New) Chemicals (see Tab 7, Background - Guide)
ErC50 = Median effective concentration (growth rate, e.g. of algae)
EU = European Union
EWC = European Waste Catalogue
FAO = Food and Agriculture Organization (United Nations)
GIFAP = Groupement International des Associations Nationales de Fabricants de Produits Agrochimiques (now CropLife International)
h = Hour(s)
hPa = HectoPascal (unit of pressure)
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IC50 = Concentration that produces 50% inhibition
IMDG Code = International Maritime Dangerous Goods Code
IMO = International Maritime Organization
ISO = International Organization for Standardization
IUCLID = International Uniform Chemical Information Database
IUPAC = International Union of Pure and Applied Chemistry
kg = Kilogram
Kow = Distribution coefficient between n-octanol and water
kPa = KiloPascal (unit of pressure)
LC50 = Concentration required to kill 50% of test organisms
LD50 = Dose required to kill 50% of test organisms
LEL = Lower Explosive Limit/Lower Explosion Limit
LOAEL = Lowest observed adverse effect level
mg = Milligram
min = Minute(s)
ml = Milliliter
mmHg = Pressure equivalent to 1 mm of mercury (133.3 Pa)

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mp = Melting point
MRL = Maximum Residue Limit
MSDS = Material Safety Data Sheet
n.o.s. = Not Otherwise Specified
NIOSH = National Institute for Occupational Safety and Health (US)
NOAEL = No Observed Adverse Effect Level
NOEC = No observed effect concentration
NOEL = No Observable Effect Level
NOx = Oxides of Nitrogen
OECD = Organization for Economic Cooperation and Development
OEL = Occupational Exposure Limits
Pa = Pascal (unit of pressure)
PBT = Persistent, Bioaccumulative or Toxic
pH = -log₁₀ hydrogen ion concentration
pKa = -log₁₀ acid dissociation constant
PNEC = Previsible Non Effect Concentration
POPs = Persistent Organic Pollutants
ppb = Parts per billion
PPE = Personal Protection Equipment
ppm = Parts per million
ppt = Parts per trillion
PVC = Polyvinyl Chloride
QSAR = Quantitative Structure-Activity Relationship
REACH = Registration, Evaluation and Authorization of CHemicals (EU, see NCP)
SI = International System of Units
STEL = Short-Term Exposure Limit
tech. = Technical grade
TSCA = Toxic Substances Control Act (US)
TWA = Time-Weighted Average
vPvB = Very Persistent and Very Bioaccumulative
WHO = World Health Organization = OMS
y = Year(s)

16.3 Key literature references and sources for data

None

16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

The classification of mixtures and applied evaluation method in accordance with regulation (EC) Nr. 1272/2008 [CLP] has been appointed in section 2.1

16.5 Relevant H- and EUH-phrases (Number and full text)

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H361d	Suspected of damaging the unborn child.
H411	Toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

16.6 Training advice

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None

16.7 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.
