DURALMIT 2C PUR silk matt

Version 2.1 Revision date 5 Oct 2026 Print date 5 Oct 2026

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

1.1 Product identifier

Trade name/designation

DURALMIT 2C PUR silk matt
B 12
DMP, all Colours

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

Relevant identified uses

1.3 Details of the supplier of the safety data sheet

Supplier

Heinrich van Megen GmbH & Co. KG
Industriering Ost 80
47906 Kempen
Germany
Telephone: +49 2152 2063-0
E-mail: info@hvm-coatings.de

Department responsible for information

E-mail (competent person) info@hvm-coatings.de

1.4 Emergency telephone number

Emergency telephone number: +49 22819240
Consultation only in German and English

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

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

Flam. Liq. 3	H226 Flammable liquid and vapour.
Skin Irrit. 2	H315 Causes skin irritation.
Skin Sens. 1	H317 May cause an allergic skin reaction.
Eye Irrit. 2	H319 Causes serious eye irritation.
STOT SE 3 Irritation to respiratory tract	H335 May cause respiratory irritation.
STOT RE 2	H373 May cause damage to organs through prolonged or repeated exposure.
Aquatic Chronic 2	H411 Toxic to aquatic life with long lasting effects.

2.2 Label elements

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

Hazard pictograms



GHS02 GHS07 GHS08 GHS09

Signal word

Warning

Hazard statements

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
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.
P260	Do not breathe vapours.
P273	Avoid release to the environment.

P280	Wear protective gloves and eye protection/face protection.
P370 + P378	In case of fire: Use extinguishing powder or sand to extinguish.
P391	Collect spillage.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.

Hazard components for labelling

Fatty acids, C14-18 and C16-18-unsatd., maleated
maleic anhydride
xylene

Supplemental hazard information

not applicable

2.3 Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.
This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description

Hazardous ingredients

	Substance name Identification number	Classification according to Regulation (EC) No 1272/2008 [CLP] SCL, M-factor, ATE	weight-%
	xylene CAS No.: 1330-20-7 EC No.: 215-535-7 Index No.: 601-022-00-9 REACH No.: 01-2119488216-32	Flam. Liq. 3 H226 / Asp. Tox. 1 H304 / Acute Tox. 4 H312 / Skin Irrit. 2 H315 / Eye Irrit. 2 H319 / Acute Tox. 4 H332 / STOT SE 3 H335 / STOT RE 2 H373 / Aquatic Chronic 3 H412	25,0 < 35,0
*	**Solvent naphtha (petroleum), light arom** CAS No.: 64742-95-6 EC No.: 918-668-5	Flam. Liq. 3 H226 / Asp. Tox. 1 H304 / STOT SE 3 H335 / STOT SE 3 H336 / Aquatic Chronic 2 H411 ATE (inhalative): > 4.688 mg/m³	5,00 < 7,00
	n-butyl acetate CAS No.: 123-86-4 EC No.: 204-658-1 Index No.: 607-025-00-1	Flam. Liq. 3 H226 / STOT SE 3 H336 / EUH066	3,00 < 5,00
	trizinc bis(orthophosphate) CAS No.: 7779-90-0 EC No.: 231-944-3 Index No.: 030-011-00-6	Aquatic Acute 1 H400 / Aquatic Chronic 1 H410	3,00 < 5,00
	2-butoxyethanol CAS No.: 111-76-2 EC No.: 203-905-0 Index No.: 603-014-00-0	Acute Tox. 4 H302 / Skin Irrit. 2 H315 / Eye Irrit. 2 H319 / Acute Tox. 3 H331	0,300 < 0,500
	Fatty acids, C14-18 and C16-18-unsatd., maleated CAS No.: 85711-46-2 EC No.: 288-306-2	Skin Irrit. 2 H315 / Skin Sens. 1B H317 ATE (oral): > 2.000 mg/kg	0,300 < 0,500
*	**zinc oxide** CAS No.: 1314-13-2 EC No.: 215-222-5 Index No.: 030-013-00-7	Aquatic Acute 1 H400 / Aquatic Chronic 1 H410	0,150 < 0,200
	maleic anhydride CAS No.: 108-31-6 EC No.: 203-571-6 Index No.: 607-096-00-9	Acute Tox. 4 H302 / Skin Corr. 1B H314 / Skin Sens. 1A H317 / Eye Dam. 1 H318 / Resp. Sens. 1 H334 / STOT RE 1 H372 / EUH071	< 0,025

Remark

For full text of Hazard- and EU Hazard-statements: see 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. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

Following inhalation

In case of irregular breathing or respiratory arrest provide artificial respiration.Remove casualty to fresh air and keep warm and at rest.

Following skin contact

Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

After eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

Following ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

Self-protection of the first aider

First aider: Pay attention to self-protection!

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

In all cases of doubt, or when symptoms persist, seek medical advice.

4.3 Indication of any immediate medical attention and special treatment needed

First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

alcohol resistant foam, Carbon dioxide (CO2), Powder, spray mist, (water)

Unsuitable extinguishing media

Strong water jet

5.2 Special hazards arising from the substance or mixture

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

5.3 Advice for firefighters

Provide a conveniently located respiratory protective device. Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Ventilate affected area. Do not breathe vapours.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

6.3 Methods and material for containment and cleaning up

For containment

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13).

For cleaning up

Clean using cleansing agents. Do not use solvents.

6.4 Reference to other sections

Safe handling: see section 7
Personal protection equipment: refer to section 8
Disposal: see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling

Avoid contact with skin, eyes and clothes. Personal protection equipment: see section 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

Advices on general occupational hygiene

When using do not eat, drink or smoke.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

Hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers.

Storage class LGK3 - Flammable liquids

Further information on storage conditions

Keep container tightly closed. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

7.3 Specific end use(s)

Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

	CAS No.	Substance name	Source	Long-term /short-term (peak limitation)
	111-76-2	2-butoxyethanol	IOELV	98 / 246 (-) mg/m³ (may be absorbed through the skin)
	111-76-2	2-butoxyethanol	TRGS 900	49 / 98 (-) mg/m³ (kann über die Haut aufgenommen werden)
	108-31-6	maleic anhydride	DFG	0,081 / 0,081(0,2) mg/m³ (Aerosol und Dampf)
*	108-31-6	maleic anhydride	TRGS 900	0,081 / 0,081(0,2025) mg/m³ (Aerosol und Dampf)
	123-86-4	n-butyl acetate	IOELV	241 / 723 (-) mg/m³
	123-86-4	n-butyl acetate	TRGS 900	300 / 600 (-) mg/m³
	1330-20-7	xylene	IOELV	221 / 442 (-) mg/m³ (may be absorbed through the skin)
	1330-20-7	xylene	TRGS 900	220 / 440 (-) mg/m³ (kann über die Haut aufgenommen werden)

Additional information

Long-term: Long-term occupational exposure limit value
short-term: short-term occupational exposure limit value

Biological limit values

CAS No.	Substance name	Source	Value/ Test material
111-76-2	2-butoxyethanol	TRGS 903	150 mg/g Creatinin / Urin bei Langzeitexposition, Expositionsende bzw. Schichtende

1330-20-7	xylene	TRGS 903	2.000 mg/L / Urin Expositionsende bzw. Schichtende

DNEL worker

CAS No.	Substance name	DNEL type	DNEL value
111-76-2	2-butoxyethanol	Long-term – inhalation, systemic effects	98 mg/m³
111-76-2	2-butoxyethanol	Acute - inhalation, local effects	246 mg/m³
85711-46-2	Fatty acids, C14-18 and C16-18-unsatd., maleated	Long-term - dermal, systemic effects	3 mg/kg bw/day
64742-95-6	Solvent naphtha (petroleum), light arom	Long-term – inhalation, systemic effects	151 mg/m³
64742-95-6	Solvent naphtha (petroleum), light arom	Long-term - dermal, systemic effects	12,5 mg/kg bw/day
108-31-6	maleic anhydride	Long-term – inhalation, systemic effects	0,19 mg/m³
108-31-6	maleic anhydride	Long-term – inhalation, local effects	0,32 mg/m³
108-31-6	maleic anhydride	Long-term - dermal, systemic effects	0,2 mg/kg bw/day
123-86-4	n-butyl acetate	Long-term – inhalation, systemic effects	48 mg/m³
123-86-4	n-butyl acetate	Long-term - dermal, systemic effects	7 mg/kg bw/day
1330-20-7	xylene	Long-term – inhalation, systemic effects	221 mg/m³
1330-20-7	xylene	Acute - inhalation, local effects	442 mg/m³
1330-20-7	xylene	Long-term – inhalation, local effects	221 mg/m³
1330-20-7	xylene	Long-term - dermal, systemic effects	212 mg/kg bw/day

DNEL Consumer

CAS No.	Substance name	DNEL type	DNEL value
111-76-2	2-butoxyethanol	Long-term – inhalation, systemic effects	59 mg/m³
111-76-2	2-butoxyethanol	Acute - inhalation, systemic effects	426
111-76-2	2-butoxyethanol	Acute - inhalation, local effects	147 mg/m³
111-76-2	2-butoxyethanol	Long-term - oral, systemic effects	6,3 mg/kg bw/day
85711-46-2	Fatty acids, C14-18 and C16-18-unsatd., maleated	Long-term - dermal, systemic effects	1,5 mg/kg bw/day
85711-46-2	Fatty acids, C14-18 and C16-18-unsatd., maleated	Long-term - oral, systemic effects	1,5 mg/kg bw/day
64742-95-6	Solvent naphtha (petroleum), light arom	Long-term – inhalation, systemic effects	32 mg/m³
64742-95-6	Solvent naphtha (petroleum), light arom	Long-term - dermal, systemic effects	7,5 mg/kg bw/day
64742-95-6	Solvent naphtha (petroleum), light arom	Long-term - oral, systemic effects	7,5 mg/kg bw/day
108-31-6	maleic anhydride	Long-term – inhalation, systemic effects	0,05 mg/m³
108-31-6	maleic anhydride	Acute - inhalation, systemic effects	0,25 mg/kg bw/day
108-31-6	maleic anhydride	Long-term – inhalation, local effects	0,08 mg/m³
108-31-6	maleic anhydride	Long-term - dermal, systemic	0,1 mg/kg bw/day

		effects	
108-31-6	maleic anhydride	Long-term - oral, systemic effects	0,06 mg/kg bw/day
123-86-4	n-butyl acetate	Long-term – inhalation, systemic effects	12 mg/m³
123-86-4	n-butyl acetate	Long-term - dermal, systemic effects	3,4 mg/kg bw/day
123-86-4	n-butyl acetate	Long-term - oral, systemic effects	3,4 mg/kg bw/day
1330-20-7	xylene	Long-term – inhalation, systemic effects	65,3 mg/m³
1330-20-7	xylene	Acute - inhalation, systemic effects	260
1330-20-7	xylene	Long-term – inhalation, local effects	65,3 mg/m³
1330-20-7	xylene	Acute - inhalation, local effects	260 mg/m³
1330-20-7	xylene	Long-term - dermal, systemic effects	125 mg/kg bw/day
1330-20-7	xylene	Long-term - oral, systemic effects	12,5 mg/kg bw/day

PNEC

CAS No.	Substance name	PNEC type	PNEC Value
111-76-2	2-butoxyethanol	aquatic, intermittent release	26,4 mg/L
111-76-2	2-butoxyethanol	aquatic, marine water	0,88 mg/L
111-76-2	2-butoxyethanol	sewage treatment plant	463 mg/L
111-76-2	2-butoxyethanol	sediment, freshwater	34,6 mg/kg sediment dw
111-76-2	2-butoxyethanol	sediment, marine water	3,46 mg/kg sediment dw
85711-46-2	Fatty acids, C14-18 and C16-18-unsatd., maleated	sewage treatment plant	100 mg/L
108-31-6	maleic anhydride	aquatic, intermittent release	0,75 mg/L
* 108-31-6	maleic anhydride	aquatic, marine water	0,0075 mg/L
108-31-6	maleic anhydride	sewage treatment plant	4,46 mg/L
108-31-6	maleic anhydride	sediment, freshwater	0,06 mg/kg sediment dw
108-31-6	maleic anhydride	sediment, marine water	0,006 mg/kg sediment dw
123-86-4	n-butyl acetate	aquatic, intermittent release	0,36 mg/L
123-86-4	n-butyl acetate	aquatic, marine water	0,018 mg/L
123-86-4	n-butyl acetate	sewage treatment plant	35,6 mg/L
123-86-4	n-butyl acetate	sediment, freshwater	0,981 mg/kg sediment dw
* 123-86-4	n-butyl acetate	sediment, marine water	0,0981 mg/kg sediment dw
7779-90-0	trizinc bis(orthophosphate)	aquatic, marine water	7,2 µg/L
7779-90-0	trizinc bis(orthophosphate)	sewage treatment plant	100 µg/L
7779-90-0	trizinc bis(orthophosphate)	sediment, freshwater	146,9 mg/kg sediment dw
7779-90-0	trizinc bis(orthophosphate)	sediment, marine water	162,2 mg/kg sediment dw
1330-20-7	xylene	aquatic, intermittent release	0,327 mg/L
1330-20-7	xylene	aquatic, marine water	0,327 mg/L
1330-20-7	xylene	sewage treatment plant	6,58 mg/L
1330-20-7	xylene	sediment, freshwater	12,46 mg/kg sediment dw
1330-20-7	xylene	sediment, marine water	12,46 mg/kg sediment dw
1314-13-2	zinc oxide	aquatic, marine water	7,2 µg/L
1314-13-2	zinc oxide	sewage treatment plant	100 µg/L
1314-13-2	zinc oxide	sediment, freshwater	146,9 mg/kg sediment dw
1314-13-2	zinc oxide	sediment, marine water	162,2 mg/kg sediment dw

8.2 Exposure controls

Provide good ventilation.This can be achieved with local or room suction.

Personal protection equipment

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Hand protection

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles: EN ISO 374

Skin protection

Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

Eye/face protection

Eye glasses with side protection: EN 166

Body protection

When handling with chemical substances, protective clothing with CE-labels including the four control digits must be worn. Anti-static clothing including shoes are recommended.

Environmental exposure controls

Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Colour	colourless
Odour	characteristic
pH at 20 °C	No data available
Melting point/freezing point	-63 °C
Initial boiling point and boiling range	136 - 152 °C
Flash point	23 - 27 °C
flammability	Flammable liquid and vapour.
Lower explosion limit at 20°C	1 Vol-%
Upper explosion limit at 20°C	7 Vol-%
Vapour pressure at 20°C	8.2 mbar
Relative vapour density	not applicable
Density at 20 °C	1.3 kg/l
Water solubility at 20°C	practically insoluble
Partition coefficient: n-octanol/water	see section 12
Ignition temperature in °C	not determined
Decomposition temperature	not determined
Viscosity at 20 °C:	> 700 mm²/s
particle characteristics	not applicable

9.2 Other information

not applicable

SECTION 10: Stability and reactivity

10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to

section 7.

10.3 Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

10.4 Conditions to avoid

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7. Hazardous decomposition byproducts may form with exposure to high temperatures.

10.5 Incompatible materials

No further relevant information available.

10.6 Hazardous decomposition products

Decomposition products in case of fire: see section 5.

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.

Fatty acids, C14-18 and C16-18-unsatd., maleated
LD50: oral (Rat): > 2.000 mg/kg

Solvent naphtha (petroleum), light arom
LC50: inhalative> 4.688 mg/m³

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Overall assessment on CMR properties

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

STOT-single exposure

May cause respiratory irritation.

STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

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

Practical experience/human evidence

Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system. Indications for this are: Headache, Dizziness, fatigue, amyosthenia, Dizziness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

11.2 Information on other hazards

Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

SECTION 12: Ecological information

12.1 Toxicity

Toxic to aquatic life with long lasting effects.

Acute (short-term) fish toxicity
Fatty acids, C14-18 and C16-18-unsatd., maleated
LL50: (Leuciscus idus (golden orfe)): > 150 mg/L (48 h)

Acute (short-term) toxicity to algae and cyanobacteria
EL50: (Pseudokirchneriella subcapitata): > 100 mg/L (72 h)

Acute (short-term) toxicity to crustacea
EL50: (Daphnia magna (Big water flea)): > 100 mg/L (48 h)

Chronic (long-term) toxicity to aquatic invertebrate
xylene
NOEC (Ceriodaphnia dubia): 0,96 mg/L (7 d)

Toxicity to microorganisms
Solvent naphtha (petroleum), light arom
NOEC 99 mg/L (10 min)

12.2 Persistence and degradability

xylene
Biodegradation; inorganic carbon (IC) = 87,8 % (28 day(s))
Method: OECD 301F

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water = 2,77 (xylene)

Partition coefficient: n-octanol/water = 0,05 (maleic anhydride)

Partition coefficient: n-octanol/water = 0,74 (2-butoxyethanol)

Partition coefficient: n-octanol/water < 1 (Fatty acids, C14-18 and C16-18-unsatd., maleated)

Partition coefficient: n-octanol/water >= 3,03 (Solvent naphtha (petroleum), light arom)

* Partition coefficient: n-octanol/water = 1,85 (n-butyl acetate)

12.4 Mobility in soil

xylene
, Log KOW = 3,2

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7 Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product/Packaging disposal

Do not empty into drains; dispose of this material and its container in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

Waste codes/waste designations according to EWC/AVV

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Other disposal recommendations

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

SECTION 14: Transport information

14.1 UN number or ID 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)	3
Sea transport (IMDG)	3
Air transport (ICAO-TI / IATA-DGR)	3

14.4 Packing group

Land transport (ADR/RID)	III
Sea transport (IMDG)	III
Air transport (ICAO-TI / IATA-DGR)	III

14.5 Environmental hazards

Land transport (ADR/RID)	ENVIRONMENTALLY HAZARDOUS
Sea transport (IMDG)	Marine pollutant

14.6 Special precautions for user

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.
Advices on safe handling: see parts 6 - 8

14.7 Maritime transport in bulk according to IMO instruments

No transport as bulk according to IBC Code.

14.8 Additional information

Land transport (ADR/RID)

Tunnel restriction code: D/E
Limited quantity (LQ): 5 ltr
Hazard identification number (Kemler No.): 30

Sea transport (IMDG)

EmS-No.: F-E, S-E
Limited quantity (LQ): 5 ltr

Air transport (ICAO-TI / IATA-DGR)

not applicable

SECTION 15: Regulatory information

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

EU legislation

Authorisations and/or restrictions on use

Regulation (EC) No. 1907/2006 (REACH), Annex XVII (restrictions)

Use restriction according to REACH annex XVII, no.: 03, 40

Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive 92/85/EEC or stricter national regulations, if applicable.
Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC) or stricter national regulations, if applicable.

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]
Hazard categories / Named dangerous substances

E2 Hazardous to the aquatic environment in Category Chronic 2
Quantity 1: 200t; Quantity 2: 500t
P5c FLAMMABLE LIQUIDS
Quantity 1: 5.000t; Quantity 2: 50.000t

National regulations

Observe in addition any national regulations!

Water hazard class

obviously hazardous to water (WGK 2)
Self-classification (mixture; calculation rule).

15.2 Chemical Safety Assessment

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

SECTION 16: Other information

List of relevant hazard statements and/or precautionary statements from sections 2 to 15

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
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.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H372	Causes damage to organs (or state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
H373	May cause damage to organs (or state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.
EUH071	Corrosive to the respiratory tract.

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

Flam. Liq. 3	On basis of test data.
Skin Irrit. 2	Calculation method.
Skin Sens. 1	Calculation method.
Eye Irrit. 2	Calculation method.
STOT SE 3 Irritation to respiratory tract	Calculation method.
STOT RE 2	Calculation method.
Aquatic Chronic 2	Calculation method.

Key literature references and sources for data

Data arise from reference works and literature.

Abbreviations and acronyms

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
OEL: Occupational Exposure Limit Value
BLV: Biological limit values
CAS: Chemical Abstracts Service
CLP: Classification, Labelling and Packaging
CMR: Carcinogenic, Mutagenic and Reprotoxic
DIN: German Institute for Standardization / German industrial standard
DNEL: Derived No-Effect Level
EAKV: European Waste Catalogue Directive
EC: Effective Concentration
EC: European Community
EN: European Standard
EU/EEA: European Economic Area
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ICAO-TI: International Civil Aviation Organization Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG Code: International Maritime Code for Dangerous Goods
ISO: International Organization for Standardization
LC: Lethal Concentration
LD: Lethal Dose
: Maximum concentration in the workplace air
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
OECD: Organisation for Economic Cooperation and Development
PBT: persistent, bioaccumulative, toxic

PNEC: Predicted No Effect Concentration
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
UN: United Nations
VOC: Volatile Organic Compounds
vPvB: very persistent and very bioaccumulative

Indication of changes

* Data changed compared with the previous version.