according to Regulation (EC) No. 1907/2006 (REACH) according to Regulation (EU) 2015/830



Article No.: 10-2410-000 Colouring paste

 Print date:
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 EN

 Version:
 16
 Issue date:
 25.03.2019
 Page 1 / 9

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

1.1. product identifiers

Article No. (manufacturer/supplier) 10-2410-000
Trade name/designation Colouring paste
BBC gold-yellow

Dosage: 10% maximum

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

1.3. Details of the supplier of the safety data sheet

supplier (manufacturer/importer/downstream user/distributor)

Basler Lacke AG

Bresteneggstr. 17 Telephone: +41 62 837 93 00 CH-5033 Buchs Telefax: +41 62 837 93 65

Dept. responsible for information:

F+E (A. Paulus)

E-mail (competent person) sd.berlac-group@berlac.ch

1.4. Emergency telephone number

Emergency telephone number TOX-Zentrum +41 44 251 51 51

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 liquids Flammable liquid and vapour. Skin Irrit. 2 / H315 Skin corrosion/irritation Causes skin irritation. Eye Irrit. 2 / H319 Serious eye damage/eye irritation Causes serious eye irritation. Skin Sens. 1 / H317 Respiratory or skin sensitisation May cause an allergic skin reaction. STOT SE 3 / H336 STOT-single exposure May cause drowsiness or dizziness. STOT RE 2 / H373 STOT-repeated exposure May cause damage to organs through

prolonged or repeated exposure.

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

2.2. Label elements

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

Hazard pictograms







Warning

Hazard statements

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.
 H317 May cause an allergic skin reaction.
 H336 May cause drowsiness or dizziness.

H373 May cause damage to organs through prolonged or repeated exposure.

H412 Harmful 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 vapour.

P280 Wear protective gloves and eye/face protection.

P370 + P378 In case of fire: Use extinguishing powder or sand to extinguish. 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

reaction product: bisphenol-A-(epichlorhydrin)

n-butyl acetate

Xylene

according to Regulation (EC) No. 1907/2006 (REACH) according to Regulation (EU) 2015/830



Article No.: 10-2410-000

Colouring paste Revision date: 25.03.2019 Issue date: 25.03.2019 EN Page 2 / 9 Print date: 27.03.2020 Version:

Supplemental Hazard information (EU)

EUH205 Contains epoxy constituents. May produce an allergic reaction.

2.3. Other hazards

No information available.

SECTION 3: Composition / information on ingredients

Mixtures 3.2.

Description

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

NDEX No. Classification // Remark 204-658-1 01-2119485493-29-XXXX 123-86-4 n-butyl acetate 25 - 50 607-025-00-1 Flam. Liq. 3 H226 / STOT SE 3 H336 10 - 12.5 601-022-00-9 Acute Tox. 4 H312 / Acute Tox. 4 H332 / Skin Irrit. 2 H315 / STOT RE 2 H373 / Flam. Liq. 3 H226 10 - 12.5 601-022-00-9 Acute Tox. 4 H312 / Acute Tox. 4 H332 / Skin Irrit. 2 H315 / STOT RE 2 H373 / Flam. Liq. 3 H226 10 - 12.5 603-074-00-8 Eye Irrit. 2 H319 / Skin Irrit. 2 H315 / Skin Sens. 1 H317 / Aquatic Chronic 2 H411 Specific concentration limit (SCL): Eye Irrit. 2 H319 5 / Skin Irrit. 2 H315 5 - 10 607-195-00-7 Flam. Liq. 3 H226 Substance with a common (EC) occupational exposure limit value. 918-668-5 601-2119455851-35-XXXX 64742-95-6 Solvent naphtha (petroleum) light aromatic 5 - 10 649-356-00-4 STOT SE 3 H335 / STOT SE 3 H336 / Asp. Tox. 1 H304 / Aquatic Chronic 2 H411 / Flam. Liq. 3 H226 202-436-9 95-63-6 1,2,4-trimethylbenzene 2.5 - 5 601-043-00-3 Flam. Liq. 3 H226 / Acute Tox. 4 H332 / Eye Irrit. 2 H319 / STOT SE 3 H335 / Skin Irrit. 2 H315 / Aquatic Chronic 2 H411 1-2 19484680-38-XXXX 1-2.5 603-004-00-6 Flam. Liq. 3 H226 / Acute Tox. 4 H302 / STOT SE 3 H335 / Skin Irrit. 2 H315 / Eye Dam. 1 H318 / STOT SE 3 H336 STOT SE 3 H335 / Skin Irrit. 2 H315 / Eye Dam. 1 H318 / STOT SE 3 H336 STOT SE 3 H335 / Skin Irrit. 2 H315 / Eye Dam. 1 H318 / STOT SE 3 H336 SKin Irrit. 2 H315 / Eye Dam. 1 H318 / STOT SE 3 H336 SKin Irrit. 2 H315 / Eye Dam. 1 H318 / STOT SE 3 H336 SKin Irrit. 2 H315 / Eye Dam. 1 H318 / STOT SE 3 H336 SKin Irrit. 2 H315 / Eye Dam. 1 H318 / STOT SE 3 H336 SKin Irrit. 2 H315 / Eye Dam. 1 H318 / STOT SE 3 H336 SKin Irrit. 2 H315 / Eye Dam. 1 H318 / STOT SE 3 H336 SKin Irrit. 2 H315 / Eye Dam. 1 H318 / STOT SE 3 H336 SKin Irrit. 2 H315 / Eye Dam. 1 H318 / STOT SE 3 H336 SKin Irrit. 2 H315 / Eye Dam. 1 H318 / STOT SE 3 H336 SKin Irrit. 2 H315 / Eye Dam. 1 H318 / STOT SE 3 H336 SKin Irrit. 2 H315 / Eye Dam. 1 H318 / STOT	EC No.	REACH No.	
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Additional information

Full text of classification: see section 16

SECTION 4: First aid measures

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.

In case of inhalation

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

according to Regulation (EC) No. 1907/2006 (REACH) according to Regulation (EU) 2015/830



Article No.: 10-2410-000 Colouring paste

 Print date:
 27.03.2020
 Revision date: 25.03.2019
 EN

 Version:
 16
 Issue date: 25.03.2019
 Page 3 / 9

Following skin contact

Take off immediately all contaminated clothing. 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.

After ingestion

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

4.2. Most important symptoms and effects, both acute and delayed

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, 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

Keep away from 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

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). Clean using cleansing agents. Do not use solvents.

6.4. Reference to other sections

Observe protective provisions (see section 7 and 8).

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advices on safe handling

Avoid formation of flammable and explosive vapour concentrations in the air and exceeding the exposure limit values. Only use the material in places where open light, fire and other flammable sources can be kept away. Electrical equipment must be protected meeting the accepted standard. Product may become electrostatically charged. Provide earthing of containers, equipment, pumps and ventilation facilities. Anti-static clothing including shoes are recommended. Floors must be electrically conductive. Keep away from heat sources, sparks and open flames. Use only spark proof tools. Avoid contact with skin, eyes and clothes. Do not inhale dusts, particulates and spray mist when using this preparation. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to 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.

Further information

Vapours are heavier than air. Vapours form explosive mixtures with air.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

according to Regulation (EC) No. 1907/2006 (REACH) according to Regulation (EU) 2015/830



Article No.: 10-2410-000 Colouring paste

 Print date:
 27.03.2020
 Revision date: 25.03.2019
 EN

 Version:
 16
 Issue date: 25.03.2019
 Page 4/9

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. Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (TRBS 2153)".

Hints on joint storage

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

Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 10 °C and 25 °C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. 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. Observe instructions for use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values:

n-butyl acetate

INDEX No. 607-025-00-1 / EC No. 204-658-1 / CAS No. 123-86-4

MEL/OES, TWA: 724 mg/m3; 150 ppm MEL/OES, STEL: 966 mg/m3; 200 ppm

Xylene

INDEX No. 601-022-00-9 / EC No. 215-535-7 / CAS No. 1330-20-7

WEL, TWA: 220 mg/m3; 50 ppm WEL, STEL: 441 mg/m3; 100 ppm

Remark: (may be absorbed through the skin)

BMGV, TWA: 650 mmol/mol creatinine

Remark: methyl hippuric acid; urine; end of exposure or end of shift

2-methoxy-1-methylethyl acetate

INDEX No. 607-195-00-7 / EC No. 203-603-9 / CAS No. 108-65-6

WEL, TWA: 274 mg/m3; 50 ppm WEL, STEL: 548 mg/m3; 100 ppm

Remark: (may be absorbed through the skin)

1,2,4-trimethylbenzene

INDEX No. 601-043-00-3 / EC No. 202-436-9 / CAS No. 95-63-6

WEL, TWA: 125 mg/m3; 25 ppm

butan-1-ol

INDEX No. 603-004-00-6 / EC No. 200-751-6 / CAS No. 71-36-3

WEL, STEL: 154 mg/m3; 50 ppm

Remark: (may be absorbed through the skin)

mesitylene

INDEX No. 601-025-00-5 / EC No. 203-604-4 / CAS No. 108-67-8

WEL, TWA: 125 mg/m3; 25 ppm

Additional information

TWA: long-term occupational exposure limit value STEL: short-term occupational exposure limit value

Ceiling: peak limitation

8.2. Exposure controls

Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

Personal protection equipment

Respiratory protection

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190). Use only respiratory protection equipment with CE-symbol including four digit test number.

according to Regulation (EC) No. 1907/2006 (REACH) according to Regulation (EU) 2015/830



Article No.: 10-2410-000 Colouring paste

 Print date:
 27.03.2020
 Revision date: 25.03.2019
 EN

 Version:
 16
 Issue date: 25.03.2019
 Page 5 / 9

Hand protection

For prolonged or repeated handling the following glove material must be used: CR (polychloroprene, chloroprene rubber)

Thickness of the glove material > 0,4 mm; Breakthrough time (maximum wearing time) > 480 min.

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

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

Eye/face protection

Wear closely fitting protective glasses in case of splashes.

Body protection

Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

Protective measures

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

Environmental exposure controls

Do not allow to enter into surface water or drains. See section 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:

Physical state:
Colour:
Colour:
Codour:
Codour:
Codour threshold:

Initial boiling point and boiling range: 126 °C

Source: n-butyl acetate

Flash point: 25 °C

Method: DIN 53213

Evaporation rate: not applicable

flammability

Burning time (s): not applicable

Upper/lower flammability or explosive limits:

Lower explosion limit: 0.8 Vol-%

Source: 1,2,4-trimethylbenzene

Upper explosion limit: 11.3 Vol-%

Source: butan-1-ol

Vapour pressure at 20 °C: 5.6938 mbar Vapour density: not applicable

Relative density:

Density at 20 °C: 1.05 g/cm³

Solubility(ies):

Water solubility (g/L) at 20 °C: insoluble
Partition coefficient: n-octanol/water: see section 12

Auto-ignition temperature: 333 °C

Source: 2-methoxy-1-methylethyl acetate

Decomposition temperature: not applicable

Viscosity at °C: pastös

Explosive properties: not applicable
Oxidising properties: not applicable

9.2. Other information

Solid content (%): 34 Wt %

according to Regulation (EC) No. 1907/2006 (REACH) according to Regulation (EU) 2015/830



Article No.: 10-2410-000 Colouring paste

 Print date:
 27.03.2020
 Revision date: 25.03.2019
 EN

 Version:
 16
 Issue date: 25.03.2019
 Page 6 / 9

solvent content:

Organic solvents: 66 Wt % Water: 0 Wt %

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

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

Hazardous decomposition byproducts may form with exposure to high temperatures.

10.5. Incompatible materials

not applicable

10.6. Hazardous decomposition products

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

SECTION 11: Toxicological information

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

No data on preparation itself available.

11.1. Information on toxicological effects

Acute toxicity

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

Skin corrosion/irritation; Serious eye damage/eye irritation

Causes skin irritation.

Causes serious eye irritation.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

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

STOT-single exposure; STOT-repeated exposure

May cause drowsiness or dizziness.

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

Overall Assessment on CMR properties

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

SECTION 12: Ecological information

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

There is no information available on the preparation itself.

Do not allow to enter into surface water or drains.

12.1. Toxicity

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

Long-term Ecotoxicity

Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

according to Regulation (EC) No. 1907/2006 (REACH) according to Regulation (EU) 2015/830



Article No.: 10-2410-000 Colouring paste

 Print date:
 27.03.2020
 Revision date: 25.03.2019
 EN

 Version:
 16
 Issue date: 25.03.2019
 Page 7 / 9

Toxicological data are not available.

12.3. Bioaccumulative potential

Toxicological data are not available.

12.4. Mobility in soil

Toxicological data are not available.

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. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal / Product

Recommendation

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

List of proposed waste codes/waste designations in accordance with EWC

080111* Waste paint and varnish containing organic solvents or other dangerous substances

*Hazardous waste according to Directive 2008/98/EC (waste framework directive).

Appropriate disposal / Package

Recommendation

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

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)

3

14.4. Packing group

Ш

14.5. Environmental hazards

Land transport (ADR/RID) not applicable
Marine pollutant not applicable

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

Further information

Land transport (ADR/RID)

tunnel restriction code D/E

Sea transport (IMDG)

EmS-No. F-E, S-E

Air transport (ICAO-TI / IATA-DGR)

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

not applicable

SECTION 15: Regulatory information

according to Regulation (EC) No. 1907/2006 (REACH) according to Regulation (EU) 2015/830



Article No.: 10-2410-000 Colouring paste

 Print date:
 27.03.2020
 Revision date: 25.03.2019
 EN

 Version:
 16
 Issue date: 25.03.2019
 Page 8 / 9

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

EU legislation

Directive 2010/75/EU on industrial emissions

VOC-value (in g/L): 695

National regulations

Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

15.2. Chemical Safety Assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

EC No.	Designation	REACH No.
CAS No.	a butul acetate	04 0440405400 00 VVVV
204-658-1	n-butyl acetate	01-2119485493-29-XXXX
123-86-4		
215-535-7	Xylene	01-2119488216-32-XXXX
1330-20-7		
918-668-5	solvent naphtha (petroleum) light aromatic	01-2119455851-35-XXXX
64742-95-6	, ,	

SECTION 16: Other information

Full text of classification in section 3

Flam. Liq. 3 / H226	Flammable liquids	Flammable liquid and vapour.
STOT SE 3 / H336	STOT-single exposure	May cause drowsiness or dizziness.
Acute Tox. 4 / H312	Acute toxicity (dermal)	Harmful in contact with skin.
Acute Tox. 4 / H332	Acute toxicity (inhalative)	Harmful if inhaled.
Skin Irrit. 2 / H315	Skin corrosion/irritation	Causes skin irritation.
STOT RE 2 / H373	STOT-repeated exposure	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).
Eye Irrit. 2 / H319	Serious eye damage/eye irritation	Causes serious eye irritation.
Skin Sens. 1 / H317	Respiratory or skin sensitisation	May cause an allergic skin reaction.
Aquatic Chronic 2 / H411	Hazardous to the aquatic environment	Toxic to aquatic life with long lasting effects.
STOT SE 3 / H335	STOT-single exposure	May cause respiratory irritation.
Asp. Tox. 1 / H304	Aspiration hazard	May be fatal if swallowed and enters airways.
Acute Tox. 4 / H302	Acute toxicity (oral)	Harmful if swallowed.

Causes serious eye damage.

Classification procedure

Eye Dam. 1 / H318

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

Flam. Liq. 3 Flammable liquids On basis of test data. Skin Irrit. 2 Skin corrosion/irritation Calculation method. Eye Irrit. 2 Serious eye damage/eye irritation Calculation method. Skin Sens. 1 Respiratory or skin sensitisation Calculation method. STOT SE 3 STOT-single exposure Calculation method. STOT-repeated exposure Calculation method. STOT RE 2 Aquatic Chronic 3 Hazardous to the aquatic environment Calculation method.

Serious eye damage/eye irritation

Abbreviations and acronyms

ADR European Agreement concerning the International Carriage of Dangerous Goods by Road

OEL Occupational Exposure Limit Value

BLV Biological Limit Value 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

according to Regulation (EC) No. 1907/2006 (REACH) according to Regulation (EU) 2015/830



Article No.: 10-2410-000

Colouring paste Revision date: 25.03.2019 Issue date: 25.03.2019 Print date: 27.03.2020 ΕN Page 9 / 9 Version:

EC **European Community** ΕN European Standard

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

International Maritime Code for Dangerous Goods **IMDG** Code ISO International Organization for Standardization

LC Lethal Concentration

LD Lethal Dose

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

Registration, Evaluation, Authorisation and Restriction of Chemicals **REACH**

Regulations concerning the International Carriage of Dangerous Goods by Rail RID

UN **United Nations**

VOC Volatile Organic Compounds

vPvB very persistent and very bioaccumulative

Further information

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

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in chapter 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.