

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) No 453/2010



Article No.: FP256E27GS10 LUBERPLAST-LACKFARBE
Print date 25.07.2014 Revision date 19.07.2014
Version 1.148 Issue date 19.07.2014

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

1.1. Product identifiers

Article No. (manufacturer/supplier): FP256E27GS10
Identification of the substance or mixture LUBERPLAST-LACKFARBE
GLÄNZEND TON 6E2
Pantone Grün 334 U

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

Relevant identified uses:

paint and/or paint related material

1.3. Details of the supplier of the safety data sheet

supplier (manufacturer/importer/downstream user/distributor)

Berger-Lacke GmbH

Industrial Coatings

Maybachstraße 2

67269 Grünstadt

Telephone: +49 6359 / 8005-0

Telefax: +49 6359 / 8005-50

Dept. responsible for information:

labor

E-mail

sicherheitsdaten@berger-lacke.de

1.4. Emergency telephone number

Emergency telephone number

+49 6359 / 8005-70

Only available during office hours.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

This 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.

STOT SE 3 / H336

Specific target organ toxicity (single exposure)

May cause drowsiness or dizziness.

STOT RE 2 / H373

Specific target organ toxicity (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.

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

This mixture is classified as hazardous according to 1999/45/EC.

R10

Xn; R20/21

Harmful

R52-53

R66

Flammable

Harmful by inhalation and in contact with skin.

Harmful to aquatic life. May cause long-term adverse effects in the aquatic environment.

Repeated exposure may cause skin dryness or cracking.

2.2. Label elements

The product is classified and labelled according to EC directives or corresponding national laws.

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.

H336

May cause drowsiness or dizziness.

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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.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P314 Get medical advice/attention if you feel unwell.
 P362 + P364 Take off contaminated clothing and wash it before reuse.
 P370 + P378 In case of fire: Use foam to extinguish.
 P501 Dispose of contents/container to industrial incineration plant.

contains:

n-butyl acetate
 xylene

Supplemental Hazard information (EU)

EUH066 Repeated exposure may cause skin dryness or cracking.
 EUH208 Contains reaction product: bisphenol-A-(epichlorhydrin) .May produce an allergic reaction.

Labelling (67/548/EEC or 1999/45/EC)



Xn Harmful

Hazard statements

10 Flammable
 20/21 Harmful by inhalation and in contact with skin.
 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 66 Repeated exposure may cause skin dryness or cracking.

Precautionary statements

24 Avoid contact with skin.
 36/37 Wear suitable protective clothing and gloves.
 38 In case of insufficient ventilation, wear suitable respiratory equipment.
 51 Use only in well-ventilated areas.
 61 Avoid release to the environment. Refer to special instructions/safety data sheet.
 23 Do not breathe vapour.

contains:

n.a.

Special provisions concerning the labelling of certain mixtures

99 Contains reaction product: bisphenol A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700). May produce an allergic reaction.

2.3. **Other hazards**

SECTION 3: Composition / information on ingredients

3.2. **Mixtures**

Product description / chemical characterization

Description PVC-Kombi = Polyvinylchlorid-Kombination

Hazardous ingredients

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

EC No.	REACH No.	Wt %
CAS No.	Chemical name	Remark
INDEX No.	classification:	
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	

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215-535-7 1330-20-7 601-022-00-9	01-2119486136-34-XXXX-3 xylene Flam. Liq. 3 H226 / Acute Tox. 4 H312 / Acute Tox. 4 H332 / Skin Irrit. 2 H315 / Eye Irrit. 2 H319 / Asp. Tox. 1 H304 / STOT RE 2 H373 / STOT SE 3 H335	10 - 12,5
918-668-5 64742-95-6	01-2119455851-35 Hydrocarbons, C9, aromatics Flam. Liq. 3 H226 / Asp. Tox. 1 H304 / STOT SE 3 H335 / STOT SE 3 H336 / Aquatic Chronic 2 H411	2,5 - 5
202-849-4 100-41-4 601-023-00-4	02-2119752523-40-0000 ethylbenzene Flam. Liq. 2 H225 / Acute Tox. 4 H332	2,5 - 5
231-944-3 7779-90-0 030-011-00-6	01-2119485044-40-0000 trizinc bis(orthophosphate) Aquatic Acute 1 H400 / Aquatic Chronic 1 H410	1 - 2,5
215-535-7 1330-20-7 601-022-00-9	01-2119486136-34-XXXX-2 xylene Flam. Liq. 3 H226 / Acute Tox. 4 H332 / Acute Tox. 4 H312 / Skin Irrit. 2 H315	1 - 2,5
259-370-9 54839-24-6 603-177-00-8	2-ethoxy-1-methylethyl acetate Flam. Liq. 3 H226 / STOT SE 3 H336	1 - 2,5
500-033-5 25068-38-6 603-074-00-8	reaction product: bisphenol-A-(epichlorhydrin) Eye Irrit. 2 H319 / Skin Irrit. 2 H315 / Skin Sens. 1 H317 / Aquatic Chronic 2 H411	0,5 - 1

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

EC No. CAS No. INDEX No.	REACH No. Chemical name classification:	Wt % Remark
204-658-1 123-86-4 607-025-00-1	01-2119485493-29-XXXX n-butyl acetate R10 / R66 / R67	25 - 50
215-535-7 1330-20-7 601-022-00-9	xylene, mixture of isomers R10 / Xn; R20/21-65 / Xi; R36/37/38	10 - 12,5
202-849-4 100-41-4 601-023-00-4	02-2119752523-40-0000 ethylbenzene F; R11 / Xn; R20	2,5 - 5
918-668-5 64742-95-6	01-2119455851-35 Hydrocarbons, C9, aromatics R10 / Xi; R37 / N; R51-53 / Xn; R65 / R66 / R67	2,5 - 5
215-535-7 1330-20-7 601-022-00-9	01-2119486136-34-XXXX-3 xylene, mixture of isomers R10 / Xn; R20/21 / Xi; R38	1 - 2,5
231-944-3 7779-90-0 030-011-00-6	01-2119485044-40-0000 trizinc bis(orthophosphate) N; R50-53	1 - 2,5
259-370-9 54839-24-6	1-Ethoxy-2-Propylacetat R10 / R67	1 - 2,5
500-033-5 25068-38-6 603-074-00-8	reaction product: bisphenol A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700) Xi; R36/38 / R43 / N; R51-53	0,5 - 1

Additional information

Full text of R-phrases: see section 16.
 Full text of H-phrases: see section 16.

SECTION 4: First aid measures

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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.

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.

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.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

alcohol resistant foam, carbon dioxide, Powder, spray mist, (water)

Extinguishing media which must not be used for safety reasons:

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. Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as hazardous. Cool closed containers that are near the source of the fire.

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 chapter 13). Clean using cleansing agents. Do not use solvents.

6.4. Reference to other sections

Observe protective provisions (see chapter 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

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using do not eat, drink or smoke. Personal protection equipment: refer to chapter 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.

Precautions against fire and explosion:

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

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 15 °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:

xylene, mixture of isomers

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

TWA: 441 mg/m³; 100 ppm

STEL: 662 mg/m³; 150 ppm

ethylbenzene

INDEX No. 601-023-00-4 / EC No. 202-849-4 / CAS No. 100-41-4

TWA: 441 mg/m³; 100 ppm

STEL: 552 mg/m³; 125 ppm

n-butyl acetate

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

TWA: 724 mg/m³; 150 ppm

STEL: 966 mg/m³; 200 ppm

xylene, mixture of isomers

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

TWA: 441 mg/m³; 100 ppm

STEL: 662 mg/m³; 150 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.

Occupational exposure controls

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.

Hand protection

For prolonged or repeated handling the following glove material must be used: Butyl

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

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manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles DIN EN 374

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

Eye protection

Wear closely fitting protective glasses in case of splashes.

Protective clothing

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 chapter 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

9.1. **Information on basic physical and chemical properties**

Appearance:

Physical state liquid
Colour see tradename
Odour art typically

Safety relevant basis data	Unit	Method	Remark
Flash point:	25 °C		
Ignition temperature in °C:	325 °C		
Lower explosion limit	1,1 Vol-%		
Upper explosion limit	11,3 Vol-%		
Vapour pressure at 20 °C:	ca. 23 mbar		
Density at 20 °C:	1,12 g/cm³		
Water solubility (g/L)	insoluble		
pH at 20 °C:	not applicable		
Viscosity at 20 °C	85 s 4 mm	DIN 53211	
Solvent separation test (%)	< 3 %		
Solid content (%):	50 Wt %		
solvent content:			
Organic solvents:	50 Wt %		
Water:	0 Wt %		
Boiling temperature / boiling range:	ca. 100 °C		

9.2. **Other information:**

SECTION 10: Stability and reactivity

10.1. **Reactivity**

10.2. **Chemical stability**

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

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

No data on preparation itself available.

11.1. **Information on toxicological effects**

Acute toxicity

xylene

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oral, LD50, Rat: 4300 mg/kg
dermal, LD50, Rabbit: 4200 mg/kg
inhalative (vapours), LC50, Rat: 6350 mg/L (4 h)

ethylbenzene

oral, LD50, Rat: 3500 mg/kg
dermal, LD50, Rabbit: 15354 mg/kg
inhalative (vapours), LC50, Rat: 17,2 mg/L (4 h)
oral, LCLo, Rat: 4000 ppm (4 h)
Harmful by inhalation.

n-butyl acetate

oral, LD50, Rat: 13100 mg/kg
dermal, LD50, Rabbit: 14100 mg/kg

Hydrocarbons, C9, aromatics

oral, LD50, Rat: 2000 - 5000 mg/kg; evaluation May be harmful if swallowed.
dermal, LD50, Rabbit: > 2000 mg/kg

xylene

dermal, LD50, Rat:
dermal, LD50, Rabbit:
inhalative (vapours), LC50, Rat: (4 h)
inhalative (vapours), LC50: 11 mg/L (4 h)
oral, LD50: > 2000 mg/kg 2000 - 5000 mg/kg

Irritant and corrosive effects

xylene

Skin (4 h)
Irritating to skin.

ethylbenzene

Skin (4 h)
Irritant; Harmful

n-butyl acetate

Eyes: evaluation slightly irritant
Skin

Hydrocarbons, C9, aromatics

Skin (4 h)
Causes mild skin irritation.; Prolonged or repeated skin contact may cause removal of natural fat from the skin resulting in dermatitis (skin inflammation).

xylene

Skin (4 h)
Irritating to skin.

Sensitisation

n-butyl acetate

Skin: ; evaluation No sensitising effect known
Respiratory system: ; evaluation No sensitising effect known

Hydrocarbons, C9, aromatics

: ; evaluation No sensitising effect known

Specific target organ toxicity

n-butyl acetate

Specific target organ toxicity (single exposure), drowsiness:

Hydrocarbons, C9, aromatics

Specific target organ toxicity (single exposure), Irritation: evaluation May cause respiratory irritation.
Specific target organ toxicity (single exposure), drowsiness: evaluation May cause drowsiness or dizziness.

xylene

Specific target organ toxicity (single exposure), Irritation:
Specific target organ toxicity (repeated exposure):

Aspiration hazard

n-butyl acetate

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Aspiration hazard

Hydrocarbons, C9, aromatics

Aspiration hazard; evaluation While swallowing or vomiting, pulmonary aspiration may cause chemical pneumonitis, leading to death

xylene

Aspiration hazard

Practical experience/human evidence

Other observations:

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, drowsiness, 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.

Overall Assessment on CMR properties

The ingredients in this preparation do not meet the criteria for classification as CMR category 1 or 2 according to 67/548/EEC.

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified according to the toxicological dangers. See chapters 2 and 15 for details.

SECTION 12: Ecological information

overall evaluation

There is no information available on the preparation itself.
Do not allow to enter into surface water or drains.

12.1. Toxicity

xylene

Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout): 7,6 mg/L (96 h)

Method: OECD 203

Daphnia toxicity, EC50, Daphnia magna (Big water flea): 3,82 mg/L (48 h)

Fish toxicity, LC50, Leuciscus idus (golden orfe): 86 mg/L (48 h)

Algae toxicity, IC50, Pseudokirchneriella subcapitata: 4,7 mg/L

Method: OECD 201

ethylbenzene

Daphnia toxicity, EC50, Daphnia magna (Big water flea): 2,1 mg/L 0 - 2,9 mg/L (48 h)

Algae toxicity, ErC50, Selenastrum capricornutum: 4,6 mg/L (72 h)

Fish toxicity, LC50, Pimephales promelas: 12,1 mg/L (96 h)

Bacteria toxicity, EC5, Pseudomonas putida: 12 mg/L (16 h)

n-butyl acetate

Fish toxicity, LC50, Leuciscus idus (golden orfe): 62 mg/L (96 h)

Daphnia toxicity, EC50, Daphnia magna (Big water flea): 72,8 mg/L (24 h)

, EC10, Pseudomonas putida: 959 mg/L

Algae toxicity, Scenedesmus subspicatus: 674,7 mg/L (72 h)

Fish toxicity, Lepomis macrochirus (Bluegill): 100 mg/L (96 h)

Fish toxicity, Pimephales promelas: 18 mg/L (96 h)

trizinc bis(orthophosphate)

Fish toxicity, LC50: (96 h)

Hydrocarbons, C9, aromatics

Fish toxicity, LL50: 1,1 - 10 mg/L; evaluation Toxic

Daphnia toxicity, LL50: 1,1 - 10 mg/L; evaluation Toxic

Algae toxicity, LL50: 1,1 - 10 mg/L; evaluation Toxic

xylene

Fish toxicity, LC50, Pimephales promelas: 26,7 mg/L (96 h)

Daphnia toxicity, EC50, Daphnia magna (Big water flea): 1 mg/L (48 h)

Fish toxicity, LC50, Carassius auratus (goldfish): 16,9 mg/L (96 h)

Algae toxicity, IC50, Algae: 4,7 mg/L (72 h)

Fish toxicity, LC50, Lepomis macrochirus (Bluegill): 20,9 mg/L (96 h)

Fish toxicity, LC50, Poecilia reticulata (Guppy): 34,7 mg/L (96 h)

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Long-term Ecotoxicity

ethylbenzene

Respiratory inhibition of municipal activated sludge., NOEC, activated sludge: 157 mg/L (3 h)

trizinc bis(orthophosphate)

Fish toxicity, LC50: (96 h)

Hydrocarbons, C9, aromatics

Fish toxicity, LC50: (96 h)

Fish toxicity, NOEC: 1,1 - 10 mg/L

Daphnia toxicity, NOEC:

12.2. Persistence and degradability

ethylbenzene

Biodegradation:

n-butyl acetate

: evaluation No data available

: > 0 %

Method: DOC reduction.

Hydrocarbons, C9, aromatics

:

Method: estimated

12.3. Bioaccumulative potential

ethylbenzene

Distribution coefficient (n-octanol / water) (log P O/W): evaluation Low

n-butyl acetate

Distribution coefficient (n-octanol / water) (log P O/W): 1,81

Based on the n-octanol/water partition coefficient significant accumulation in organisms is not expected.

Hydrocarbons, C9, aromatics

Distribution coefficient (n-octanol / water) (log P O/W): 3,7 - 4,5

Bioconcentration factor (BCF)

ethylbenzene

Bioconcentration factor (BCF): 29

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

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

packaging

Recommendation

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

SECTION 14: Transport information

14.1. UN number

Land transport (ADR/RID):

n.a.

Sea transport (IMDG):

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|---|---|--|
| | Air transport (ICAO-TI / IATA-DGR): | 1263 |
| 14.2. UN proper shipping name | | |
| | Land transport (ADR/RID): | n.a. |
| | Sea transport (IMDG): | PAINT |
| | Air transport (ICAO-TI / IATA-DGR): | Paint |
| 14.3. Transport hazard class(es) | | |
| | Land transport (ADR/RID): | no goods of class 3
bunch > 450 l class 3 |
| | Sea transport (IMDG) | 3 |
| | Air transport (ICAO-TI / IATA-DGR) | 3 |
| 14.4. Packing group | | |
| | Land transport (ADR/RID): | n.a. |
| | Sea transport (IMDG): | III |
| | Air transport (ICAO-TI / IATA-DGR): | III |
| 14.5. Environmental hazards | | |
| | Land transport (ADR/RID) | n.a. |
| | Marine pollutant | n.a. |
| 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 | |
| | Additional information | |
| | Land transport (ADR/RID) | |
| | tunnel restriction code | D/E |
| | Sea transport (IMDG) | |
| | EmS-No. | F-E, S-E |
| 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | | |
| | not applicable | |

SECTION 15: Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**
- EU legislation**
- Information according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline).**
- | | |
|---------------------------------|-----|
| VOC-value (in g/L) ISO 11890-2: | 555 |
| VOC-value (in g/L) ASTM D 2369: | 555 |
- 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).
- Other regulations, restrictions and prohibition regulations**
- MAL-Kode (MAL Kode ready to use): n.v.
- Giscode n.a.
- PR-No.
- 15.2. Chemical Safety Assessment**
- Chemical safety assessments for substances in this preparation were not carried out.

SECTION 16: Other information

Relevant R-and H-phrases (Number and full text):

Flam. Liq. 3 / H226	flammable liquids	Flammable liquid and vapour.
STOT SE 3 / H336	Specific target organ toxicity (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.

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) No 453/2010



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Skin Irrit. 2 / H315	skin corrosion/irritation	Causes skin irritation.
Eye Irrit. 2 / H319	Serious eye damage/eye irritation	Causes serious eye irritation.
Asp. Tox. 1 / H304	Aspiration hazard	May be fatal if swallowed and enters airways.
STOT RE 2 / H373	Specific target organ toxicity (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).
STOT SE 3 / H335	Specific target organ toxicity (single exposure)	May cause respiratory irritation.
Aquatic Chronic 2 / H411	Hazardous to the aquatic environment	Toxic to aquatic life with long lasting effects.
Flam. Liq. 2 / H225	flammable liquids	Highly flammable liquid and vapour.
Aquatic Acute 1 / H400	Hazardous to the aquatic environment	Very toxic to aquatic life.
Aquatic Chronic 1 / H410	Hazardous to the aquatic environment	Very toxic to aquatic life with long lasting effects.
Skin Sens. 1 / H317	respiratory or skin sensitisation	May cause an allergic skin reaction.
Xi; R36/38	Irritant	Irritating to eyes and skin.
R43		May cause sensitization by skin contact.
N; R51-53	Dangerous for the environment	Toxic to aquatic life. May cause long-term adverse effects in the aquatic environment.
R10		Flammable
Xn; R20/21	Harmful	Harmful by inhalation and in contact with skin.
Xi; R38	Irritant	Irritating to skin.
F; R11	Highly flammable	Highly flammable
Xn; R20	Harmful	Harmful by inhalation.
R66		Repeated exposure may cause skin dryness or cracking.
R67		Vapours may cause drowsiness and dizziness.
N; R50-53	Dangerous for the environment	Very toxic to aquatic life. May cause long-term adverse effects in the aquatic environment.
Xi; R37	Irritant	Irritating to respiratory system.
Xn; R65	Harmful	Harmful: may cause lung damage if swallowed.
Xn; R20/21-65	Harmful	Harmful by inhalation and in contact with skin.
Xi; R36/37/38	Irritant	Harmful: may cause lung damage if swallowed.
		Irritating to eyes, respiratory system and skin.

Additional information

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.

n.a. = not applicable
 n.b. = not determined

Annex

At present, data / information on exposure scenarios are not available, so that an evaluation of the preparation cannot yet be made.