

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 05.04.2024

Version number 4 (replaces version 3)

Revision: 05.04.2024

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

1.1 Product identifier

Trade name: **Poltix Gelcoat SF-B**

Article number: 256

UFI: 2K65-40EA-R000-MWKS

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

Sector of Use SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
 SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

SU19 Building and construction work

Process category PROC19 Manual activities involving hand contact

Environmental release category ERC5 Use at industrial site leading to inclusion into/onto article

ERC8c Widespread use leading to inclusion into/onto article (indoor)

ERC8f Widespread use leading to inclusion into/onto article (outdoor)

AC13 Plastic articles

Application of the substance / the mixture See our technical datasheet for application details of this product.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: De IJssel Coatings BV, Centrumbaan 960, NL 2841 MH Moordrecht
 Tel: +31 182 372177, E-mail: info@de-ijssel-coatings.nl

Further information obtainable from: Research and Development.

1.4 Emergency telephone number:

De IJssel Coatings BV, Tel. +31 182 372177, E-mail: safety@de-ijssel-coatings.nl
 Office hours: working days from 08:00 to 17:00 hrs.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

 GHS07

Skin Sens. 1 H317 May cause an allergic skin reaction.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS07

Signal word

Warning

Hazard-determining components of labelling:

Reaction products of 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)] bisoxirane with maleic anhydride and methacrylic acid tetramethylene dimethacrylate cobalt(II) 2-ethylhexanoate

Hazard statements

H317 May cause an allergic skin reaction.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
 P102 Keep out of reach of children.
 P103 Read carefully and follow all instructions.
 P261 Avoid breathing mist/vapours/spray.
 P272 Contaminated work clothing should not be allowed out of the workplace.
 P280 Wear protective gloves.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: This product does not contain any substances assessed as PBT at concentrations of 0.1% or higher.

vPvB: This product does not contain any substances assessed as vPvB at concentrations of 0.1% or higher.

(Contd. on page 2)

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

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Version number 4 (replaces version 3)

Revision: 05.04.2024

Trade name: Poltix Gelcoat SF-B

(Contd. of page 1)

- Determination of endocrine-disrupting properties

Toxicological information (1107/2009 - 3.6.5): The substance/mixture does not contain any components believed to have endocrine disrupting properties according to REACH article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at level 0.1% or higher.

Ecological information (1107/2009 - 3.8.2): The substance/mixture does not contain components believed to have endocrine-disrupting properties according to REACH article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at level 0.1% or higher.

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

- Description: Mixture of substances listed below with nonhazardous additions.

- Dangerous components:

	Reaction products of 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)] bisoxirane with maleic anhydride and methacrylic acid ⚠ Skin Sens. 1B, H317	10 – 50%
CAS: 2082-81-7 EINECS: 218-218-1 Index number: 607-134-00-4	tetramethylene dimethacrylate ⚠ Skin Sens. 1B, H317	0 – 10%
CAS: 136-52-7 EINECS: 205-250-6 Reg.nr.: 01-21195-24678-29	cobalt(II) 2-ethylhexanoate ⚠ Repr. 1A, H360Fd; ⚠ Eye Irrit. 2, H319; Skin Sens. 1A, H317; Aquatic Chronic 3, H412	0.1 – 0.5%
CAS: 108-88-3 EINECS: 203-625-9 Index number: 601-021-00-3 Reg.nr.: 01-2119471310-51	toluene ⚠ Flam. Liq. 2, H225; ⚠ Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H336; Aquatic Chronic 3, H412	0.1 – 0.5%
CAS: 3164-85-0 EINECS: 221-625-7 Reg.nr.: 01-2119980714-29	hexanoic acid, 2-ethyl-,potassium salt ⚠ Repr. 2, H361; ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315	0.1 – 0.5%

- Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· 4.1 Description of first aid measures

- General information: Immediately remove any clothing soiled by the product.
- After inhalation: Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: If symptoms persist consult doctor.

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

No further relevant information available.

· 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

* SECTION 5: Firefighting measures

· 5.1 Extinguishing media

- Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

· 5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.
Carbon monoxide (CO)

· 5.3 Advice for firefighters

- Protective equipment: No special measures required.
- Additional information: Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

(Contd. on page 3)

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 05.04.2024

Version number 4 (replaces version 3)

Revision: 05.04.2024

Trade name: Poltix Gelcoat SF-B

(Contd. of page 2)

Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
 Dispose contaminated material as waste according to section 13.
 Ensure adequate ventilation.
- **6.4 Reference to other sections** See Section 7 for information on safe handling.
 See Section 8 for information on personal protection equipment.
 See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
 Prevent formation of aerosols.
- Information about fire - and explosion protection: No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- Storage:
- Requirements to be met by storerooms and receptacles: Store material in original, tightly closed containers in a cool, well-ventilated area in accordance with applicable (local) regulations. Depending on total volume stored, the storage area should comply with PGS15.
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions: None.
- Recommended storage temperature: 5 - 30 °C
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

· Ingredients with limit values that require monitoring at the workplace:		
108-88-3 toluene		
IOELV	Short-term value: 384 mg/m ³ , 100 ppm	
	Long-term value: 192 mg/m ³ , 50 ppm	
	Skin	
· DNEL (Derived No Effect Level) for workers		
136-52-7 cobalt(II) 2-ethylhexanoate		
Inhalative	Long-term - local effects, worker	0.235 mg/m ³ (Worker)
108-88-3 toluene		
Dermal	Long-term - systemic effects, worker	384 mg/kg bw/day (Worker)
Inhalative	Acute - systemic effects, worker	384 mg/m ³ (Worker)
	Acute - local effects, worker	384 mg/m ³ (Worker)
	Long-term - systemic effects, worker	192 mg/m ³ (Worker)
	Long-term - local effects, worker	192 mg/m ³ (Worker)
3164-85-0 hexanoic acid, 2-ethyl-,potassium salt		
Dermal	Long-term - systemic effects, worker	5.95 mg/kg bw/day (Worker)
Inhalative	Long-term - systemic effects, worker	41.98 mg/m ³ (Worker)

(Contd. on page 4)

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 05.04.2024

Version number 4 (replaces version 3)

Revision: 05.04.2024

Trade name: Poltix Gelcoat SF-B

(Contd. of page 3)

· DNEL (Derived No Effect Level) for the general population		
136-52-7 cobalt(II) 2-ethylhexanoate		
Oral	Long-term - systemic effects, general population	0.0558 mg/kg bw/day (General population)
Inhalative	Long-term - local effects, general population	0.037 mg/m ³ (General population)
108-88-3 toluene		
Oral	Long-term - systemic effects, general population	8.13 mg/kg bw/day (General population)
Dermal	Long-term - systemic effects, general population	226 mg/kg bw/day (General population)
Inhalative	Acute - systemic effects, general population	226 mg/m ³ (General population)
	Acute - local effects, general population	226 mg/m ³ (General population)
	Long-term - systemic effects, general population	56.5 mg/m ³ (General population)
	Long-term - local effects, general population	56.5 mg/m ³ (General population)
3164-85-0 hexanoic acid, 2-ethyl-,potassium salt		
Oral	Long-term - systemic effects, general population	2.98 mg/kg bw/day (General population)
Dermal	Long-term - systemic effects, general population	2.98 mg/kg bw/day (General population)
Inhalative	Long-term - systemic effects, general population	10.35 mg/m ³ (General population)
· PNEC (Predicted No Effect Concentration) values		
136-52-7 cobalt(II) 2-ethylhexanoate		
Aquatic compartment - freshwater		0.00149 mg/l (Freshwater)
Aquatic compartment - marine water		0.0069 mg/l (Marine water) ((Co))
Aquatic compartment - sediment in freshwater		27.8 mg/kg sed dw (Sediment freshwater) ((Co))
Aquatic compartment - sediment in marine water		17.8 mg/kg sed dw (Sediment marine water)
Terrestrial compartment - soil		23.1 mg/kg dw (Soil) ((CoH))
Sewage treatment plant		1.08 mg/l (stp) ((Co))
108-88-3 toluene		
Aquatic compartment - freshwater		0.68 mg/l (Freshwater)
Aquatic compartment - marine water		0.68 mg/l (Marine water)
Aquatic compartment - water, intermittent releases		0.68 mg/l (Sediment marine water)
Aquatic compartment - sediment in freshwater		16.39 mg/kg sed dw (fwd)
Terrestrial compartment - soil		2.89 mg/kg dw (Soil)
Sewage treatment plant		13.61 mg/l (stp)
3164-85-0 hexanoic acid, 2-ethyl-,potassium salt		
Aquatic compartment - freshwater		0.36 mg/l (Freshwater)
Aquatic compartment - marine water		0.036 mg/l (Marine water)
Aquatic compartment - sediment in freshwater		6.37 mg/kg sed dw (Sediment freshwater)
Aquatic compartment - sediment in marine water		0.637 mg/kg sed dw (Sediment marine water)
Terrestrial compartment - soil		1.06 mg/kg dw (Soil)
Sewage treatment plant		71.7 mg/l (stp)

· Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

- Appropriate engineering controls No further data; see section 7.
- Individual protection measures, such as personal protective equipment
- General protective and hygienic measures:
 - Immediately remove all soiled and contaminated clothing
 - Wash hands before breaks and at the end of work.
- Respiratory protection: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- Hand protection
 - Protective gloves
 - The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
 - Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
 - Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- Material of gloves
 - The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

(Contd. on page 5)

Trade name: Poltix Gelcoat SF-B

(Contd. of page 4)

- Penetration time of glove material The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- As protection from splashes gloves made of the following materials are suitable: Nitrile rubber, NBR
- Not suitable are gloves made of the following materials: Leather gloves
Strong material gloves
- Eye/face protection Goggles recommended during refilling

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties	
· General Information	
· Physical state	Fluid
· Colour:	According to product specification
· Odour:	Characteristic
· Odour threshold:	Not determined.
· Melting point/freezing point:	Undetermined.
· Boiling point or initial boiling point and boiling range	Undetermined.
· Flammability	Not applicable.
· Lower and upper explosion limit	
· Lower:	Not determined.
· Upper:	Not determined.
· Flash point:	Not applicable.
· Decomposition temperature:	Not determined.
· pH	Not determined.
· Viscosity:	
· Kinematic viscosity	Not determined.
· Dynamic:	Not determined.
· Solubility	
· water:	Not miscible or difficult to mix.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure:	Not determined.
· Density and/or relative density	
· Density:	Not determined.
· Relative density	Not determined.
· Vapour density	Not determined.
· 9.2 Other information	
· Appearance:	
· Form:	Fluid
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.
· Solvent content:	
· Organic solvents:	< 0.9 %
· VOC:	
· VOC (2004/42/EC):	< 0.95 %
· Change in condition	
· Evaporation rate	Not determined.
· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void

(Contd. on page 6)

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 05.04.2024

Version number 4 (replaces version 3)

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Trade name: Poltix Gelcoat SF-B

(Contd. of page 5)

· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

SECTION 10: Stability and reactivity

· 10.1 Reactivity	No further relevant information available.
· 10.2 Chemical stability	
· Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
· 10.3 Possibility of hazardous reactions	No dangerous reactions known.
· 10.4 Conditions to avoid	No further relevant information available.
· 10.5 Incompatible materials:	No further relevant information available.
· 10.6 Hazardous decomposition products:	No dangerous decomposition products known.

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.
· LD/LC50 values relevant for classification:	

· Components	Type	Value	Species
108-88-3 toluene			
Oral	LD50	5,000 mg/kg (Rat)	
Dermal	LD50	12,124 mg/kg (rabbit)	

· Skin corrosion/irritation	Based on available data, the classification criteria are not met.
· Serious eye damage/irritation	Based on available data, the classification criteria are not met.
· Respiratory or skin sensitisation	May cause an allergic skin reaction.
· Germ cell mutagenicity	Based on available data, the classification criteria are not met.
· Carcinogenicity	Based on available data, the classification criteria are not met.
· Reproductive toxicity	Based on available data, the classification criteria are not met.
· STOT-single exposure	Based on available data, the classification criteria are not met.
· STOT-repeated exposure	Based on available data, the classification criteria are not met.
· Aspiration hazard	Based on available data, the classification criteria are not met.

11.2 Information on other hazards

· Endocrine disrupting properties		
556-67-2	octamethylcyclotetrasiloxane	List II; III
128-37-0	Butylated hydroxytoluene	List II
541-02-6	2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane	List II
540-97-6	2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane	List II

SECTION 12: Ecological information

· 12.1 Toxicity	
· Aquatic toxicity:	No further relevant information available.

· Type of test	Effective concentration	Method	Assessment
108-88-3 toluene			
Inhalative	LC50/4 h	5,320 mg/l (mouse)	

· 12.2 Persistence and degradability	No further relevant information available.
· 12.3 Bioaccumulative potential	No further relevant information available.
· 12.4 Mobility in soil	No further relevant information available.
· 12.5 Results of PBT and vPvB assessment	
· PBT:	Not applicable.
· vPvB:	Not applicable.

(Contd. on page 7)

**Safety data sheet
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Version number 4 (replaces version 3)

Revision: 05.04.2024

Trade name: Poltix Gelcoat SF-B

(Contd. of page 6)

- **12.6 Endocrine disrupting properties** For information on endocrine disrupting properties see section 11.
- **12.7 Other adverse effects**
- Additional ecological information:
- General notes: Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- Recommendation: Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· European waste catalogue	
HP13	Sensitising

- Uncleaned packaging:
- Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

· 14.1 UN number or ID number · ADR/RID/ADN, ADN, IMDG, IATA	Void
· 14.2 UN proper shipping name · ADR/RID/ADN, ADN, IMDG, IATA	Void
· 14.3 Transport hazard class(es) · ADR/RID/ADN, ADN, IMDG, IATA · Class	Void
· 14.4 Packing group · ADR/RID/ADN, ADN, IMDG, IATA	Void
· 14.5 Environmental hazards:	Not applicable.
· 14.6 Special precautions for user	Not applicable.
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· UN "Model Regulation":	Void

SECTION 15: Regulatory information

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

- Directive 2012/18/EU
- Named dangerous substances - ANNEX I: None of the ingredients is listed.
- REGULATION (EC) No 1907/2006 ANNEX XVII: Conditions of restriction: 3, 48

· DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II
None of the ingredients is listed.

· REGULATION (EU) 2019/1148
· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))
None of the ingredients is listed.

· Annex II - REPORTABLE EXPLOSIVES PRECURSORS
None of the ingredients is listed.

· Regulation (EC) No 273/2004 on drug precursors	
108-88-3 toluene	3

(Contd. on page 8)

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 05.04.2024

Version number 4 (replaces version 3)

Revision: 05.04.2024

Trade name: Poltix Gelcoat SF-B

(Contd. of page 7)

· Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors		
108-88-3	toluene	3

- National regulations:
- Technical instructions (air):

Class	Share in %
NK	0.9

· **15.2 Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Relevant phrases

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H360Fd	May damage fertility. Suspected of damaging the unborn child.
H361	Suspected of damaging fertility or the unborn child.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

· Classification according to Regulation (EC) No 1272/2008	
Skin sensitisation	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

- Department issuing SDS: Research and Development
- Contact: Saïda El Asjadi, tel: +31 182 372177, e-mail: safety@de-ijsse-coatings.nl
- Date of previous version: 13.12.2023
- Version number of previous version: 3
- Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

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

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

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

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1A: Skin sensitisation – Category 1A

Skin Sens. 1B: Skin sensitisation – Category 1B

Repr. 1A: Reproductive toxicity – Category 1A

Repr. 2: Reproductive toxicity – Category 2

Repr. 2: Reproductive toxicity – Category 2

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

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

Asp. Tox. 1: Aspiration hazard – Category 1

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

Literature data and/or investigation reports are available through the manufacturer.
- Sources:
- * Data compared to the previous version altered.