

SAFETY DATA SHEET

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

Revision date: 29-Sep-2016

Print date: 06-Oct-2016

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POLYDET GFK Flachbahnen und Platten

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

1.1. Product identifier

Trade name/designation:

POLYDET GFK Flachbahnen und Platten

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

Use of the substance/mixture:

Article (Art 3 (3) REACH). Coils and sheets made of fiberglass reinforced composite materials.
several

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

Optiplan GmbH

Am Johannisberg 9-13

08606 Oelsnitz

Germany

Telephone: +49 37421 494 - 11

Telefax: +49 37421 494 - 98

E-mail: Felix.Boensch@optiplan.eu

1.4. Emergency telephone number

Felix Bönsch, 24h: Giftinformationszentrale, +49 37421 494 - 11 (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]:

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

Additional information:

This article doesn't contain dangerous substances or preparations intended to be released under normal or reasonably foreseeable conditions of use.

There is no requirement for the product to be specially labelled according to EC directives or the corresponding national laws.

2.2. Label elements

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

According to EC directives or the corresponding national regulations the product does not have to be labelled.

Hazard statements: -

Supplemental Hazard information (EU): -

Precautionary statements: -

2.3. Other hazards

Adverse physicochemical effects:

Dust can form an explosive mixture with air.

Adverse human health effects and symptoms:

Dust can create potentially explosive mixtures of dust and air. In case of mechanical processing protection measures are to be taken with regard to dust generation.

Fine particles may possibly short time irritate the eyes, skin and respiratory tract.

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Description:

Fiberglass-reinforced plastic based on polyester resin and continuous filament-glass fibers

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Hazardous ingredients / Hazardous impurities / Stabilisers:

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CL P]	Concentration
CAS No.: 100-42-5 EC No.: 202-851-5	styrene Repr. 2, Flam. Liq. 3, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, STOT RE 1  Warning H226-H315-H319-H332-H361d-H372	0 - < 0.5 Wt %

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious place in recovery position and seek medical advice. Do not leave affected person unattended.

Following inhalation:

Provide fresh air.

In case of respiratory tract irritation, consult a physician.

In case of skin contact:

After skin contact instantly wash with lukewarm water and soap.

After eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. If eye irritation persists: Get medical advice/attention.

After ingestion:

Rinse mouth.

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

No known symptoms to date.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Extinguishing powder, Carbon dioxide (CO₂), Water spray, alcohol resistant foam

Unsuitable extinguishing media:

None

5.2. Special hazards arising from the substance or mixture

Danger of dust explosion

In case of fire may be liberated: Carbon monoxide, Carbon dioxide (CO₂), carbon black, Styrene

Hazardous combustion products:

In case of fire: Gases/vapours, toxic

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Avoid breathing dust/fume/gas/mist/vapours/spray. Remove persons to safety.

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Protective equipment:

Wear protective gloves/protective clothing/eye protection/face protection.

6.1.2. For emergency responders

Personal protection equipment:

Personal protection equipment: see section 8

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment:

Collect spillage. Measures to prevent aerosol and dust generation. Wet clean or vacuum up solids.

For cleaning up:

Water (with cleaning agent)

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

6.5. Additional information

Use appropriate container to avoid environmental contamination.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Wear personal protection equipment (refer to section 8).

The product in the delivered form is not dust explosion capable; however, mechanical processing can ignite and cause a dust explosion.

Fire prevent measures:

Keep away from sources of ignition - No smoking.

Measures to prevent aerosol and dust generation:

Dust should be exhausted directly at the point of origin. Additional measures for respiratory protection

Environmental precautions:

No special environmental measures are necessary.

Advices on general occupational hygiene

When using do not eat, drink or smoke. Avoid contact with eyes and skin.

Wash hands before breaks and after work.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

No special measures are necessary.

Storage class: 11 - Combustible solids that cannot be assigned to any of the above storage classes

Further information on storage conditions:

No special measures are necessary.

7.3. Specific end use(s)

Recommendation:

product use see section 1.2

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① long-term occupational exposure limit value ② short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
WEL (GB)	titanium dioxide CAS No.: 1317-70-0	① 4 mg/m ³ ⑤ (respirable fraction)
WEL (GB)	titanium dioxide CAS No.: 1317-70-0	① 10 mg/m ³ ⑤ (inhalable fraction)
WEL (GB)	styrene CAS No.: 100-42-5	① 100 ppm (430 mg/m ³) ② 250 ppm (1,080 mg/m ³)
WEL (GB)	allgemeiner Staubgrenzwert, alveolengängig	① 4 mg/m ³ ⑤ Dust limit value respirable fraction
WEL (GB)	allgemeiner Staubgrenzwert, einatembar	① 10 mg/m ³ ⑤ Dust limit value inhalable fraction

8.1.2. Biological limit values

No data available

8.1.3. DNEL-/PNEC-values

No data available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations.

8.2.2. Personal protection equipment

Eye/face protection:

Eye glasses with side protection DIN EN 166

Skin protection:

Tested protective gloves must be worn: DIN EN 388

Suitable material: Required properties: dust-tight, cut-resistant

Respiratory protection:

In case of inadequate ventilation wear respiratory protection.

Recommended respiratory protection articles: Particle filter device (DIN EN 143). FFP1

Other protection measures:

Do not wear gloves near rotary machines and tools.

8.2.3. Environmental exposure controls

No data available

8.3. Additional information

No data available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: solid, flat

Colour: verschiedene

Odour: odourless

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Safety relevant basis data

parameter		at °C	Method	Remark
pH	not determined			
Melting point	not determined			
Freezing point	not determined			
Initial boiling point and boiling range	not determined			
Decomposition temperature (°C):	not determined			
Flash point	not applicable			
Evaporation rate	not determined			
Ignition temperature in °C	not determined			
Upper/lower flammability or explosive limits	not determined			
Vapour pressure	not determined			
Vapour density	not determined			
Density	not determined			
Bulk density	not determined			
Water solubility (g/L)	insoluble			
Partition coefficient: n-octanol/water	not determined			
Dynamic viscosity	not determined			
Kinematic viscosity	not determined			
Danger of explosion				Accumulation of fine dust may entail the risk of a dust explosion in the presence of air.

9.2. Other information

For more information, please refer to the technical data sheet.

SECTION 10: Stability and reactivity

10.1. Reactivity

Chemically inert if used and stored according to specifications.

10.2. Chemical stability

Stable under normal use conditions.

10.3. Possibility of hazardous reactions

Danger of dust explosion.

10.4. Conditions to avoid

Heat
Ignition sources
electrostatic charge

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

Formation of toxic gases is possible.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
100-42-5	styrene	LD ₅₀ oral: >6,000 mg/kg (Hamster)

Acute oral toxicity:

The classification criteria for this hazard class are not met by definition.

Acute dermal toxicity:

The classification criteria for this hazard class are not met by definition.

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Acute inhalation toxicity:

The classification criteria for this hazard class are not met by definition.

Skin corrosion/irritation:

The classification criteria for this hazard class are not met by definition.

Eye damage/irritation:

The classification criteria for this hazard class are not met by definition.

Respiratory or skin sensitisation:

The classification criteria for this hazard class are not met by definition.

Germ cell mutagenicity:

The classification criteria for this hazard class are not met by definition.

Carcinogenicity:

The classification criteria for this hazard class are not met by definition.

Reproductive toxicity:

The classification criteria for this hazard class are not met by definition.

STOT-single exposure:

The classification criteria for this hazard class are not met by definition.

STOT-repeated exposure:

The classification criteria for this hazard class are not met by definition.

Aspiration hazard:

The classification criteria for this hazard class are not met by definition.

Additional information:

When used and handled according to specifications the product does not have any adverse effects to health according to our experience and the information provided to us.

SECTION 12: Ecological information

12.1. Toxicity

CAS No.	Substance name	Toxicological information
100-42-5	styrene	LC ₅₀ : 10 mg/l 4 d (Pimephales promelas (fathead minnow)) OECD 203

Effects in sewage plants:

Mechanical separation in a suitable sewage plant is possible.

12.2. Persistence and degradability

Biodegradation:

According to experiences this product is inert and not degradable.

12.3. Bioaccumulative potential

CAS No.	Substance name	Log K _{OC}	Bioconcentration factor (BCF)
100-42-5	styrene	2.96	74

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

CAS No.	Substance name	Results of PBT and vPvB assessment
100-42-5	styrene	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Consult the appropriate local waste disposal expert about waste disposal.

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

List of proposed waste codes/waste designations in accordance with AAV:

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13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product:

20 01 39	Municipal wastes: plastics
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Waste treatment options

Appropriate disposal / Product:

Consult the appropriate local waste disposal expert about waste disposal.

Other disposal recommendations:

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

13.2. Additional information

No data available

SECTION 14: Transport information

No dangerous good in sense of these transport regulations.

14.1. UN-No.

not relevant

14.2. UN proper shipping name

not relevant

14.3. Transport hazard class(es)

not relevant

14.4. Packing group

not relevant

14.5. Environmental hazards

not relevant

14.6. Special precautions for user

not relevant

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

No data available

15.2. Chemical Safety Assessment

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

15.3. Additional information

No data available

SECTION 16: Other information

16.1. Indication of changes

No data available

16.2. Abbreviations and acronyms

See overview table at www.euphrac.eu

16.3. Key literature references and sources for data

No data available

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

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

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

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

Hazard statements	
H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H361d	Suspected of damaging the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure. (...)

16.6. Training advice

No data available

16.7. Additional information

This Safety Data Sheet was drawn up by TÜV SÜD Industrie Service GmbH (see below), based on data from the supplier, who is named in section 1 and who is responsible for this document.

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