

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

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Identification of the substance or preparation:

LAMILUXPlan Coils and sheets

Mould material consisting of unsaturated polyester resin, vinylester resin and glass fibers

Revision date: 02.11.2011 / 15.02.2012 Date of printing: 23.02.2012

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifiers****LAMILUXPlan Coils and sheets****Mould material consisting of unsaturated polyester resin, vinylester resin and glass fibers**

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Use of the substance/ preparation: Artice (Art 3 (3)REACH). Coils and sheets made of fiberglass reinforced composite materials.

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

Identified uses: Professional use

Uses advised against: -

1.3. Details of the supplier of the safety data sheetSupplier (manufacturer/importer/
downstream user/distributor): LAMILUX Heinrich Strunz GmbH

Zehstraße 2

D-95111 Rehau

Telephone: +49 9283 595-1605

Telefax: +49 9283 898039-1605

E-mail (competent person): www.lamilux.de Gerd.Puchta@Lamilux.de**1.4. Emergency telephone number**

Dept. responsible for information: LAMILUX Heinrich Strunz GmbH

Mo - Fr, 08:00 - 16:00

Emergency telephone: +49 9283 595-1605

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture**

Classification according to EC regulation 1272/2008 (CLP):

-

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

-

Further remarks:

This article does not 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 (67/548/EEC or 1999/45/EC):

Hazard components for labelling:

-

Special provisions concerning the labelling of certain mixtures:

-

2.3. Other hazards**Possible harmful physico-chemical effects:**

No risks worthy of mention.

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Exposure to dust in excess of TLV (Treshhold Limit Value) may result in skin or upper respiratory tract irritation. Pre-existing skin or respiratory disorders may cause more susceptibility to these effects.

Possible harmful effect(s) on the environment:

No risks worthy of mention.

Other hazards:

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 possibilty short time irritate the eyes, skin and respiratory tract.

SECTION 3: Composition / Information on ingredients**Chemical characterization (preparation):**

3.1 Substances

Not applicable.

3.2 Mixtures

LAMILUX products are mixtures formed as solid sheets composed of some or all of the following: glass fibres, titanium dioxide and pigment embedded in a cured styrenated thermoset polyester matrix.

Additional information:

Mixture of polymers/elastomers/thermosets without hazards for human health or environment.

SECTION 4: First aid measures**4.1. Description of first aid measures****General information:**

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

After inhalation:

Inhalation of dust/particles

Provide fresh air. In case of respiratory tract irritation, consult a doctor.

In case of skin contact:

No special measures are required.

After skin contact instantly wash with lukewarm water and soap.

In case of eye contact:

Rinse open eyes for several minutes under running water. In case of persistent symptoms consult doctor.

After ingestion:

No special measures are required.

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

No information available.

4.3. Indication of any immediate medical attention and special treatment needed**Information to physician:**

No information available.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media:**

Water. Carbon dioxide (CO₂). Foam. Alcohol resistant foam. Dry extinguishing powder.

Extinguishing media which must not be used for safety reasons:

none/none

5.2. Special hazards arising from the substance or mixture**Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases:**

The product in the delivered form is not dust explosion capable; during mechanical processing the accumulation of fine dust however leads to the danger of dust explosion.

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

In the event of fire, toxic vapours may be formed.

5.3. Advice for firefighters**Special protective equipment for firefighters:**

In case of fire: Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****Personal precautions:**

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Remove persons to safety.

For emergency responders :

No special measures are required.

6.2. Environmental precautions**Environmental measures:**

No special environmental measures are necessary.

6.3. Methods and material for containment and cleaning up**Methods for cleaning up:**

Take up mechanically.

Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections**Additional information:**

See protective measures under point 7 and 8.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advices on safe handling:**

When using do not eat, drink, smoke, sniff.

Wash hands before breaks and after work.

While mechanical processing wear personal protection equipment and a dust mask.

Precautions against fire and explosion:

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

Keep away from sources of ignition - No smoking.

Dust can form an explosive mixture with air.

Ignition of air/dust mixtures is possible due to welding or grinding (angle grinders, welding sparks or grinding sparks).

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storerooms and containers:**

No special measures are required.

Further information on storage conditions:

No special measures are required.

7.3. Specific end use(s)

refer to chapter 1.

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SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

Components with occupational exposure limits resp. biological occupational exposure limits requiring monitoring:

Occupational exposure limit values:

CAS No.	Chemical name	AGW (DE)	Unit	ppm	Peak limitation	Remark
00-00-0	general MAC for fine dust (alveolar fraction)	3	mg/m ³		2(II)	AGS
00-00-0	general MAC for fine dust (respirable fraction)	10	mg/m ³		2(II)	AGS

8.2. Exposure controls**Technical measures:**

Provide sufficient ventilation and punctiform suction at critical points.

Respiratory protection: In case of inadequate ventilation wear respiratory protection.

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

Hand protection: DIN EN 388

Suitable material: Required properties:

dust-tight. cut-resistant.

Thickness of the glove material: Not applicable.

Penetration time (maximum wearing period): Not applicable.

Eye protection: dust formation : Dust protection eye glasses.

General protection and hygiene measures:

Do not wear gloves near rotary machines and tools.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state: solid , flat

Colour: different

Odour: Styrene.

Important health, safety and environmental information:

	Unit	Method
pH:		Not applicable.
Boiling temperature / boiling range:		Not applicable.
Melting point / melting range:		Not applicable.
Flash point (°C):		Not applicable.
Ignition temperature in °C: >450°	°C	
Explosion limits (LEL, UEL):		Not applicable.
Spontaneously flammable:		Not applicable.
Oxidizing characteristics:	Not applicable.	
Explosivity:	Not applicable.	
	Accumulation of fine dust may entail the risk of a dust explosion in the presence of air.	
Vapour pressure:		Not applicable.
Density:	1.2 - 1.4 g/cm ³	
Bulk density:		not determined
Water solubility (g/l):	0 g/l	
Solubility (g/l) in:	0 g/l	
Partition coefficient n-octanol /water (log P O/W):		Not applicable.

9.2. Other information

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Odour threshold: not determined

Further details see datasheet: Information about mechanical, thermal, electrical and optical properties, heat transition, behaviour in fire

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

No information available.

10.4. Conditions to avoid

Heating

Take precautionary measures against static discharge.

10.5. Incompatible materials

Solvents (Acetone, Benzene, Methanol, Ethylacetate,...)

Further Information see datasheet: Information about the chemical resistance of LAMILUXplan

10.6. Hazardous decomposition products

Formation of toxic gases is possible.

Additional information:

No special measures are required.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity:**

No information available.

Specific symptoms in animal studies:

No information available.

Irritant and corrosive effects:

Irritant effect on the skin: Not an irritant.

Irritant effect on the eye: Not an irritant.

Irritant effect on the respiratory tract: Not an irritant.

Sensitisation:

Not sensitising.

Repeated dose toxicity:

No information available.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):

No indications of human germ cell mutagenicity exist.

No indications of human reproductive toxicity exist.

No indications of human carcinogenicity exist.

SECTION 12: Ecological information**12.1. Toxicity****Aquatic toxicity:**

Not applicable.

Effects in sewage plants:

Mechanical separation in a suitable sewage plant is possible.

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Not applicable.

12.3. Bioaccumulative potential

Not applicable.

12.4. Mobility in soil

Not applicable.

12.5. Results of PBT and vPvB assessment

Not applicable.

12.6. Other adverse effects**General information:**

Not applicable.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Recommendation:**

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.

Control report for waste code/ waste marking according to EAKV:

Waste name: plastics**Waste code product:** 20 01 39**Contaminated packaging:****Recommendation:**

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

SECTION 14: Transport information**14.1. Land transport (ADR/RID)****14.2. Inland waterway craft (ADN/ADNR)****14.3. Sea transport (IMDG)****14.4. Air transport (ICAO-TI / IATA-DGR)****Remark:** No dangerous good in sense of this transport regulation.**14.5. Additional information:**

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14.1 UN-No.: Not applicable.

14.2 UN proper shipping name: Not applicable.

14.3 Transport hazard class(es): Not applicable.

14.4 Packing group: Not applicable.

14.5 Environmental hazards: Not applicable.

14.6 Special precautions for user: Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Water Hazard Class:** -

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15.2 Chemical Safety Assessment :

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

SECTION 16: Other information**Data sources:**

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures

Commission Regulation (EC) No 790/2009 of 10 August 2009 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008

Directive 1999/45/EC of the European Parliament and of the Council of 31 May 1999 concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations

Council Directive 67/548/EEC of 27 June 1967 on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

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Further remarks:

Voluntary information according REACH, Article 33 based on the format of a Safety data Sheet.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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Further remarks:

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.

TÜV SÜD Industrie Service GmbH

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Westendstraße 199

80686 Munich - Germany

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*** Data changed compared with the previous version:**

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