

Safety Data Sheet

Stålpast Glass Fibre komp A

Replaces date: 09/02/2016

Revision date: 10/03/2017

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

1.1. Product identifier

Trade name: Stålpast Glass Fibre komp A

Article no

Article no	Description
10840	
10841	
10842	

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

Recommended uses: Polyester putty 2-Comp.

1.3. Details of the supplier of the safety data sheet

Manufacturer

Company: Hagmans Nordic AB
Address: Box 510
Zip code: 511 10
City: Fritsla
Country: SWEDEN
E-mail: infoauto@hagmans.se
Phone: +46 (0)320-18920
Homepage: www.hagmans.com

1.4. Emergency Telephone Number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP-classification: Flam. Liq. 3;H226 Skin Irrit. 2;H315 Eye Irrit. 2;H319 Repr. 2;H361d STOT RE 1;H372

Most serious harmful effects: Flammable liquid and vapour. Causes skin irritation. Causes serious eye irritation. Suspected of damaging the unborn child. Causes damage to organs through prolonged or repeated exposure.

2.2. Label elements

Pictograms



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Signal word: Danger

Contains

Substance: Styrene

H-phrases

H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H361d Suspected of damaging the unborn child.
H372 Causes damage to organs through prolonged or repeated exposure.

P-phrases

P102 Keep out of reach of children.
P314 Get medical advice/attention if you feel unwell.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P260 Do not breathe vapours.
P280 Wear protective gloves/eye protection.
P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P302/352 IF ON SKIN: Wash with plenty of soap and water.

VOC: This product contains a maximum of 10 g VOC/L. The limit value is 250 g VOC/L (cat. B/b)

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	CAS number	EC No	REACH Reg. No.	Concentration	Notes	CLP-classification
Styrene	100-42-5	202-851-5	01-2119457861-32	10 - 20%		Flam. Liq. 3;H226 Asp. Tox. 1;H304 Skin Irrit. 2;H315 Eye Irrit. 2;H319 Acute Tox. 4;H332 Repr. 2;H361d STOT RE 1;H372

Please see section 16 for the full text of H-phrases.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation: Fresh air and rest. Contact physician.
Ingestion: Drink a few glasses of water or milk. Do not induce vomiting. Contact physician.
Skin contact: Remove contaminated clothing. Dry the skin. Wash skin thoroughly with soap and water. Contact physician if irritation persists.
Eye contact: Make sure to remove any contact lenses from the eyes before rinsing. Hold eyelids apart. Immediately rinse with water for several minutes. Contact physician if irritation persists.
General: When obtaining medical advice, show the safety data sheet or label.

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

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

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SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media: Extinguishing agent: carbon dioxide, powder, alcohol-resistant foam, a wide water jet or water mist.

Unsuitable extinguishing media: Do not use a direct water jet that could spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire causes formation of toxic gases.

5.3. Advice for fire-fighters

Use compressed air breathing apparatus and protective clothing intended for fire fighting. Containers close to fire should be removed or cooled with water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: See section 8 for type of protective equipment. Provide good ventilation.

6.2. Environmental precautions

Prevent discharges into the sewage system, watercourses or ground.

6.3. Methods and material for containment and cleaning up

Collect the spillage into suitable containers. Clean with a suitable cleaning agent.

6.4. Reference to other sections

Information regarding the safe handling, see Chapter 7. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

Other Information: Flammable.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

See section 8 for type of protective equipment. Wash your hands thoroughly after handling and before eating or smoking. Do not eat, drink or smoke when using this product. When mixing two components, consult the safety data sheets for both components. Read and follow manufacturer's recommendations!

7.2. Conditions for safe storage, including any incompatibilities

Store safely and keep out of reach of children. Keep container tightly closed, in a cool, well ventilated place. Not to be stored in direct sunlight. Keep in original container. Keep away from sources of ignition - No smoking. Keep away from food, drink and animal feedingstuffs. Flammable liquid storage.

7.3. Specific end use(s)

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Other Information: Avoid release to the environment. Refer to special instructions/safety data sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit

Substance name	Time period	ppm	mg/m3	Comments	Remarks
Styrene	15m	250	1080		
Styrene	8h	100	430		

8.2. Exposure controls

Appropriate engineering controls: Effective ventilation is presupposed or suitable respirator. Mechanical ventilation or local exhaust ventilation may be required. Facilities for eye rinsing must be available.

Personal protective equipment, eye/face protection: Wear safety goggles if there is a risk of eye splash.

Personal protective equipment, skin protection: Protective clothing if necessary.

Personal protective equipment, hand protection: Use protective gloves that are resistant to chemicals. (EN 374) Protective gloves (chloroprene rubber, nitrile rubber).

Personal protective equipment, respiratory protection: If ventilation is insufficient, use a respirator with A/P2 filter. Check that mask fits tightly and change filter regularly. Inhalation may cause serious damage. Avoid inhalation.

Other Information: Good personal hygiene is important. Wash your hands thoroughly after handling and before eating or smoking. Do not eat, drink or smoke during work.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Parameter	Value/unit
State	Paste.
Colour	Grey.
Odour	Characteristic odour. Styrene.
Solubility	Organic solvents.
Explosive properties	No data
Oxidising properties	No data

Parameter	Value/unit	Remarks
pH (solution for use)	No data	
pH (concentrate)	No data	
Melting point	No data	
Freezing point	No data	
Initial boiling point and boiling range	~ 145 °C	
Flash Point	~ 33 °C	
Evaporation rate	No data	
Flammability (solid, gas)	No data	
Flammability limits	No data	
Explosion limits	No data	
Vapour pressure	No data	
Vapour density	No data	
Relative density	No data	

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Partition coefficient n-octanol/water	No data	
Auto-ignition temperature	No data	
Decomposition temperature	No data	
Viscosity	No data	
Odour threshold	No data	

9.2 Other information

Parameter	Value/unit	Remarks
Density	1500 kg/m ³	
VOC	10g/l	

Other Information: ** Styrene is not included as VOC since it reacts when the product harden. Solubility in water: Not miscible

SECTION 10: Stability and reactivity

10.1. Reactivity

No known data.

10.2. Chemical stability

Stable under recommended storage and handling conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known. Flammable liquid.

10.4. Conditions to avoid

Avoid sources of sparking (smoking, fire, static electricity). Avoid heat, sparks and open flame.

10.5. Incompatible materials

Avoid contact with strong oxidisers. Avoid contact with strong acids and strong bases. Avoid contact with strong reducing agents.

10.6. Hazardous decomposition products

Carbon oxides are emitted in a fire.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral: Apart from intentional ingestion, swallowing of major quantities is improbable. May be irritating in the mouth, gullet and gastrointestinal system.

Acute toxicity - dermal

Styrene

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
	LD50		> 2000mg/kg			

Degreases the skin, which may cause dry skin or cracking of the skin and, on protracted or repeated contact, may cause eczema. The product contains components that may be absorbed through the skin.

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Acute toxicity - inhalation

Styrene

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
	LC50	4h	11.8mg/l			
		2a	0.8mg/l			
		13w	0.85mg/l			

Inhalation may cause serious damage.

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/eye irritation: Splashing into the eyes may cause serious smarting/irritation. Irritating to eyes.

Reproductive toxicity: Suspected of damaging the unborn child.

Repeated STOT exposure: Causes damage to organs through prolonged or repeated exposure. Damages hearing organs

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicological information for the product is not available.

12.2. Persistence and degradability

Not readily degradable.

12.3. Bioaccumulative potential

Not bioaccumulating in water environments

12.4. Mobility in soil

The product has limited solubility in water.

12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

No information available

Other Information

Avoid release to the environment. Refer to special instructions/safety data sheet.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Can be dumped as landfill or incinerated in accordance with local regulations. Unhardened product must be treated as dangerous waste. Mix with the hardener so that the product hardens. After curing the product is not classified as harmful waste.

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Category of waste: EWC code: Depends on line of business and use, for instance 08 04 09* Waste adhesives and sealants containing organic solvents or other dangerous substances. 15 01 10* Packing containing residues of or contaminated by dangerous substances.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN-No.:	3269	14.4. Packing group:	III
14.2. UN proper shipping name:	Polyester resin kit (styrene)	14.5. Environmental hazards:	
14.3. Transport hazard class(es):	3		
Hazard label(s):	3		
Hazard identification number:		Tunnel restriction code:	E

Inland water ways transport (ADN)

14.1. UN-No.:	3269	14.4. Packing group:	III
14.2. UN proper shipping name:	Polyester resin kit (styrene)	14.5. Environmental hazards:	
14.3. Transport hazard class(es):	3		
Hazard label(s):	3		
Transport in tank vessels:			

Sea transport (IMDG)

14.1. UN-No.:	3269	14.4. Packing group:	III
14.2. UN proper shipping name:	Polyester resin kit (styrene)	14.5. Environmental hazards:	
14.3. Transport hazard class(es):	3	Environmental Hazardous Substance Name(s):	
Hazard label(s):	3		
EmS:	F-E S-D	IMDG Code segregation group:	

Air transport (ICAO-TI / IATA-DGR)

14.1. UN-No.:	3269	14.4. Packing group:	III
14.2. UN proper shipping name:	Polyester resin kit (styrene)	14.5. Environmental hazards:	
14.3. Transport hazard class(es):	3		
Hazard label(s):	3		

14.6. Special precautions for user

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

Special Provisions: EH40/2005 Workplace exposure limits incl. supplement from October 2007.

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15.2. Chemical Safety Assessment

Other Information: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

Vendor notes: When mixing two components, consult the safety data sheets for both components. Read this Material Safety Data Sheet before use. Changes have been done in section no: 1, 16.

Date: 10/03/2017

List of relevant H-statements

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
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.

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