

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 22.11.2021

V- 5.0 (replaces version 4.0)

Revision: 17.11.2021

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

1.1 Product identifier

Trade name: **Fiberglass putty SOLL GLASS (SG3 100G; SG3 180G)**

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

Identified uses: professional use.

Application of the substance / the mixture

Knife filler/ Surfacer

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: UAB HELVINA
 Parko str. 96, Ramučiai
 LT-54464 Kaunas district, Lithuania
 Tel. +370 37 308901
 Fax. +370 37 308902
 info@helvina.lt; www.helvina.lt

Further information obtainable from:

info@helvina.lt

1.4 Emergency telephone number:

Poison control and information office: Tel.:+370 5 236 2052 or +370 687 53378

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS02

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS08

Repr. 2 H361d Suspected of damaging the unborn child.

STOT RE 1 H372 Causes damage to the hearing organs through prolonged or repeated exposure.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

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



GHS02

GHS07

GHS08

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Signal word Danger**Hazard-determining components of labelling:**

styrene
maleic anhydride
2,2'-(m-tolylimino)diethanol

Hazard statements

H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H361d Suspected of damaging the unborn child.
H372 Causes damage to the hearing organs through prolonged or repeated exposure.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260 Do not breathe mist/vapours/spray.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
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:** Not applicable.**vPvB:** Not applicable.**SECTION 3: Composition/information on ingredients****3.2 Mixtures****Description:** Mixture of substances listed below with nonhazardous additions.**Dangerous components:**

CAS: 100-42-5	styrene	10-<20%
EINECS: 202-851-5	⚠ Flam. Liq. 3, H226; ⚠ Repr. 2, H361d; STOT RE 1, H372; Asp. Tox. 1, H304;	
Reg.nr.: 01-2119457861-32	⚠ Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335; Aquatic Chronic 3, H412	
CAS: 91-99-6	2,2'-(m-tolylimino)diethanol	0.1-<1%
EINECS: 202-114-8	⚠ STOT RE 2, H373; ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302; Skin Irrit. 2,	
Reg.nr.: 01-2120791683-42	H315; Skin Sens. 1B, H317	
CAS: 2687-91-4	N-Ethyl-2-Pyrrolidone	0.1-<0.3%
EINECS: 220-250-6	⚠ Repr. 1B, H360D; ⚠ Eye Dam. 1, H318	
Reg.nr.: 01-2119472138-36		
CAS: 108-31-6	maleic anhydride	0.001-0.1%
EINECS: 203-571-6	⚠ Resp. Sens. 1, H334; STOT RE 1, H372; ⚠ Skin Corr. 1B, H314; Eye Dam. 1,	
Reg.nr.: 01-2119472428-31	H318; ⚠ Acute Tox. 4, H302; Skin Sens. 1A, H317	
	Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.001 %	

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

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SECTION 4: First aid measures**4.1 Description of first aid measures**

General information:	Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident. Immediately remove any clothing soiled by the product. In case of irregular breathing or respiratory arrest provide artificial respiration. Take affected persons out of danger area and lay down.
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. If skin irritation continues, consult a doctor.
After eye contact:	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After swallowing:	Do not induce vomiting; call for medical help immediately.
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: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture

Can form explosive gas-air mixtures.
Formation of toxic gases is possible during heating or in case of fire.

5.3 Advice for firefighters

Protective equipment: Wear self-contained respiratory protective device.
Do not inhale explosion gases or combustion gases.

Additional information

Cool endangered receptacles with water spray.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
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**

Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Keep away from ignition sources.
Avoid contact with the eyes and skin.

6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Do not flush with water or aqueous cleansing agents.

Dispose of the material collected according to regulations.

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.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

Do not eat, drink, smoke or sniff while working.

Do not allow to enter sewers/ surface or ground water.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Keep respiratory protective device available.

Fumes can combine with air to form an explosive mixture.

7.2 Conditions for safe storage, including any incompatibilities**Storage:****Requirements to be met by****storerooms and receptacles:**

Store only in the original receptacle.

Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from oxidising agents.

Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Store receptacle in a well ventilated area.

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:****100-42-5 styrene**

WEL (Great Britain) Short-term value: 1080 mg/m³, 250 ppm

Long-term value: 430 mg/m³, 100 ppm

108-31-6 maleic anhydride

WEL (Great Britain) Short-term value: 3 mg/m³

Long-term value: 1 mg/m³

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Regulatory information

WEL (Great Britain): EH40/2020

DNELs**100-42-5 styrene**

Dermal DNEL 406 mg/kg bw/day (long-term - systemic effects, workers)

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Inhalative DNEL 289 mg/m³ (acute - systemic effects, workers)
306 mg/m³ (acute - local effects, workers)
85 mg/m³ (long-term - systemic effects, workers)

PNECs**100-42-5 styrene**

PNEC 0.028 mg/l (freshwater environment)

0.0028 mg/l (marine environment)

0.04 mg/l (intermittent releases)

5 mg/l (sewage treatment plants)

PNEC 0.614 mg/kg (freshwater sediment environment)

0.0614 mg/kg (marine sediment environment)

0.2 mg/kg (soil)

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

8.2 Exposure controls**Appropriate engineering controls**

No further data; see item 7.

Individual protection measures, such as personal protective equipment**General protective and hygienic measures:**

Ensure good ventilation/exhaustion at the workplace.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Keep ignition sources away - Do not smoke.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

Do not eat or drink while working.

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.

Filter A2/P2

Hand protection

Protective gloves

Check the permeability prior to each renewed use of the glove.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation (EN 374).

Material of gloves

Fluorocarbon rubber (Viton)

Recommended thickness of the material: $\geq 0,7$ mm

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.

Penetration time of glove materialValue for the permeation: Level 6 ≥ 480 min.

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye/face protection

Tightly sealed goggles

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Body protection: Protective work clothing

SECTION 9: Physical and chemical properties

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

Physical state	Fluid
Colour:	Different according to colouring
Odour:	Characteristic
Odour threshold:	Not determined.
Melting point/freezing point:	Undetermined.
Boiling point or initial boiling point and boiling range	145 °C
Flammability	Not applicable.
Lower and upper explosion limit	
Lower:	1.1 Vol %
Upper:	6.1 Vol %
Flash point:	>23 °C
Auto-ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
pH	Not applicable.
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 at 20 °C:	6.7 hPa
Density and/or relative density	
Density at 20 °C:	1.75 g/cm ³
Vapour density	Not determined.

9.2 Other information

Appearance:	
Form:	Pasty
Important information on protection of health and environment, and on safety.	
Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
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	Flammable liquid and vapour.
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void

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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 decomposition if used according to specifications.
10.2 Chemical stability	No decomposition if used and stored according to specifications.
10.3 Possibility of hazardous reactions	Exothermic polymerisation. Reacts with peroxides and other radical forming substances. Fumes can combine with air to form an explosive mixture.
10.4 Conditions to avoid	Protect from heat and direct sunlight.
10.5 Incompatible materials:	No further relevant information available.
10.6 Hazardous decomposition products:	Formation of toxic gases is possible during heating or in case of fire.

* 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:

100-42-5 styrene

Oral	LD50	5,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50/4 h	11.8 mg/l (rat)

91-99-6 2,2'-(m-tolylimino)diethanol

Oral	LD50	500 mg/kg (ATE)
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108-31-6 maleic anhydride

Oral	LD50	1,090 mg/kg (rat)
Dermal	LD50	2,620 mg/kg (rabbit)

Primary irritant effect:

Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Causes serious eye irritation.
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	Suspected of damaging the unborn child.
STOT-single exposure	Based on available data, the classification criteria are not met.
STOT-repeated exposure	Causes damage to the hearing organs through prolonged or repeated exposure.
Aspiration hazard	Based on available data, the classification criteria are not met.

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11.2 Information on other hazards**Endocrine disrupting properties**

None of the ingredients is listed.

*** SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity:****100-42-5 styrene**LC50/96 h 4.02 mg/l (*Pimephales promelas*)EC50/48 h 4.7 mg/l (*Daphnia magna*)EC50/72 h 4.9 mg/l (*Pseudokirchnerella subcapitata*)**91-99-6 2,2'-(m-tolylimino)diethanol**EC50/48 h 107 mg/l (*Daphnia magna*)EC50/72 h >100 mg/l (*Pseudokirchnerella subcapitata*)

LC50/48 h >102 mg/l (fish)

12.2 Persistence and degradability**100-42-5 styrene**

Biodegradation 70.9 % (readily biodegradable) (ISO 9408, 28 d, aerobic)

12.3 Bioaccumulative potential**100-42-5 styrene**

BCF 74 (-)

log Pow 2.96

91-99-6 2,2'-(m-tolylimino)diethanol

log Kow 1.9

12.4 Mobility in soil**100-42-5 styrene**

log Koc 2.55

Koc 352

12.5 Results of PBT and vPvB assessment**PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects**Additional ecological information:****General notes:**Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.

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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

08 01 11* waste paint and varnish containing organic solvents or other hazardous substances

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

* SECTION 14: Transport information

14.1 UN number or ID number

ADR, IMDG, IATA UN1866

14.2 UN proper shipping name

ADR 1866 RESIN SOLUTION
 IMDG, IATA RESIN SOLUTION

14.3 Transport hazard class(es)

ADR, IMDG, IATA



Class 3

Label 3

14.4 Packing group

ADR, IMDG, IATA III

14.5 Environmental hazards: Not applicable.

Marine pollutant (IMDG): No

14.6 Special precautions for user Warning: Flammable liquids.

Hazard identification number (Kemler code): 30

EMS Number: F-E,S-E

Stowage Category A

14.7 Maritime transport in bulk according to IMO instruments Not applicable.

Transport/Additional information:

ADR

Limited quantities (LQ) 5L

Transport category 3

Tunnel restriction code D/E

Remarks: ADR 2.2.3.1.5

IMDG

Limited quantities (LQ) 5L

Remarks: IMDG 2.3.2.5

UN "Model Regulation": UN 1866 RESIN SOLUTION, 3, III

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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.

Seveso category

P5c FLAMMABLE LIQUIDS

Qualifying quantity (tonnes) for the application of lower-tier requirements

5,000 t

Qualifying quantity (tonnes) for the application of upper-tier requirements

50,000 t

REGULATION (EC) No 1907/2006
ANNEX XVII

Conditions of restriction: 3

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

None of the ingredients is listed.

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

None of the ingredients is listed.

National regulations:
Information about limitation of use:

Employment restrictions concerning juveniles must be observed.

Employment restrictions concerning pregnant and lactating women must be observed.

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

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

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H314 Causes severe skin burns and eye damage.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.
 H319 Causes serious eye irritation.
 H332 Harmful if inhaled.
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 H335 May cause respiratory irritation.
 H360D May damage the unborn child.
 H361d Suspected of damaging the unborn child.
 H372 Causes damage to organs through prolonged or repeated exposure.
 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

Flammable liquids

Bridging principles

Skin corrosion/irritation

Serious eye damage/eye irritation

Skin sensitisation

Reproductive toxicity

Specific target organ toxicity (repeated exposure)

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

Version number of previous**version:**

4.0

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)
 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. 3: Flammable liquids – Category 3
 Acute Tox. 4: Acute toxicity – Category 4
 Skin Corr. 1B: Skin corrosion/irritation – Category 1B
 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
 Resp. Sens. 1: Sensitisation - Respiratory. Hazard category 1
 Skin Sens. 1: Sensitisation - Skin. Hazard Category 1
 Skin Sens. 1A: Sensitisation - Skin. Hazard Category 1A
 Skin Sens. 1B: Sensitisation - Skin. Hazard Category 1B
 Repr. 1B: Reproductive toxicity. Hazard Category 1B
 Repr. 2: Reproductive toxicity. Hazard Category 2
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
 STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
 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

SourcesEuropean Chemicals Agency, <http://echa.europa.eu/>

* Data compared to the previous version altered.