

Safety data sheet

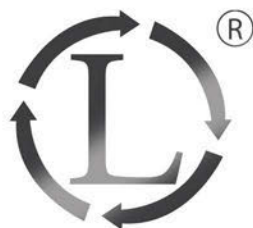
1. Substance/preparation and company identification

Trade name:

Leichtspachtelmasse - Light filling compound - Ref. 83355

Application of the substance/ the preparation:

Putty



W.R. LANG

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2. Hazard identification

The product is classified as dangerous to Directive 1999/45/CE and its amendments.

Hazard description:

Xn Harmfull

information concerning particular hazard for human and environment:

R 10 Flammable

R 20 Harmful by inhalation.

R 36/38 Irritating to eyes and skin.

3. Composition/information on ingredients

Chemical nature:

Preparation

Hazardous ingredients:

Styrene		CAS Number:	100-42-5
EINECS:	202-851-5	Content (W/W):	22-38 %
Hazard symbol(s):	Xn	R-pharse(s):	10-20-36/38

Additional information: The wording of the hazard symbols and R-phrases is specified in chapter 16 if dangerous ingredients are mentioned.

4. First-aid measures

General: Protection of first-aiders: Put on appropriate personal protective equipment Move exposed person fresh air. Remove contaminated clothing and shoes.

After skin contact: Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser

After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After inhalation: Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult a doctor if symptoms persist.

After ingestion: If swallowed, rinse mouth with water (only if person is conscious). If affected person is conscious, give plenty of water to drink. Get medical attention.

5. Fire-fighting measures

Suitable extinguishing agents: CO₂, extinguishing powder or alcohol resistant foam. Cover with vermiculite or other non combustible material.

For safety reasons unsuitable extinguishing agents: Do not use water jet

Special hazards caused by the material, its products of combustion or resulting gases: Vapour is explosive in air at temperatures higher than the flash point. In case of fire, may produce hazardous decomposition products such as carbon monoxide, carbon dioxide, aldehydes and organic acids.

Special fire fighting procedures: Fire water contaminated with the material must be contained and prevented from being discharged to any waterway, sewer or drain.

Special protective equipment for the fire fighting: Wear suitable protective clothing. Self-contained breathing apparatus.

6. Accidental release measures

Personal precautions: Avoid contact with eyes, skin and clothing. Use suitable protective equipment. Consult expert immediately. Keep away from sources of ignition. Take precautionary measures against static discharges. Use explosion-proof electrical (ventilating, lighting and material handling) equipment.

Measures for environmental protection: Prevent entry into sewers, basements or confined areas. Dyke if necessary.

Measures for cleaning / collecting: Take up with suitable material. Place in a suitable container. Clean up affected area with large amount of water. Keep away from incompatible materials and avoid specific conditions.

Larger quantities: Prevent entry into sewers, basement or confined areas. Dyke if necessary. Absorb spill with inert material (e.g. dry sand or earth) and place in a chemical waste container. Recycle, if possible. Use explosion proof electrical (ventilating, lighting and material handling) equipment. Fire / explosion hazards. Keep away from sources of ignition.

7. Handling and storage

Handling: Use with adequate ventilation. Use suitable protective equipment. Avoid contact with eyes, skin and clothing.

Use explosion proof electrical (ventilating, lighting and material handling) equipment. Take measures against static discharge. Keep away from sources of ignition.

Storage: Store in a fireproof location. Keep in a cool place. Keep away from heat and direct sunlight.

Storage temperature: Do not store above the following temperature: 25°C

8. Exposure controls and personal protection

Additional information about design of technical facilities: No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace:

United Kingdom (UK) EH40-WEL

Styrene CAS-Nr.: 100-42-5

WEL 15 min limit: 1080 mg/m³ 15 minute(s)

WEL 15 min limit: 250 ppm 15 minute(s)

WEL 8 hrs limit: 430 mg/m³ 8 hour(s)

WEL 8 hrs limit: 100 ppm 8 hour(s)

Engineering measures: Use only with adequate ventilation. Use explosion – proof electrical (ventilating, lighting and material handling) equipment.

Personal protective equipment:

General protective and hygienic measures: Keep away from foodstuffs, beverages and fodder.

Remove any soiled and impregnated clothing immediately. Wash hands during breaks and at the end of the work.

Respiratory protection: If the concentrations in the air exceed the guidelines despite technical precautions, then either use an extraction system or wear breathing protection. (Filter type A)

Hand protection: Viton gloves, nitril gloves, pvc (> 0.5 mm). Breakthrough time 60 min (EN 374). In practice, due to variable exposure conditions, this information can only be an aid to orientation for the selection of a suitable chemical protection glove. In particular, this information does not substitute suitability tests by the end of the user.

General information: Gloves should be replaced regularly, especially after extended contact with the product. For each work-place a suitable glove type has to be selected.

Eye protection: Tightly sealed protective goggles.

Body protection: Solvent-resistant protective clothing

9. Physical and chemical properties

<u>Form:</u>	viscous	
<u>Colour:</u>	yellowish	
<u>Odour:</u>	of styrene	
<u>Flash point:</u>	31 °C	(Styrene)
<u>Ignition temperature:</u>	< 400 °C	(Styrene)
<u>Lower explosion limit:</u>	1,1 % (V)	(Styrene)
<u>Upper explosion limit:</u>	8,0 % (V)	(Styrene)
<u>Vapour pressure:</u>	7,1 mbar (20°C)	
<u>Solubility in water:</u>	insoluble	

10. Stability and reactivity

Stability: Stable under recommended storage and handling conditions. In case of incorrect use: Fire /explosion hazards.

Conditions to avoid: Keep away from heat, sparks and flame.

Material to avoid: No special recommendations.

11. Toxicological information

Acute toxicity:

CAS 100-42-5	Styrene
LD50 oral:	2650 mg/kg (rat)
LD50 oral	316 mg/kg (mouse)
LC50/4h inhalative:	12 mg/l (rat)
LC50/4h inhalative:	9,5 mg// (mouse)

Primary irritant effects:

<u>Skin contact:</u>	Skin irritant.
<u>Inhalation:</u>	Harmful by inhalation
Ingestion:	Irritating to mouth, throat and stomach.
Eye contact:	Irritating to eyes.

Potential chronic health effects:

Chronic effects:	No known significant effects or critical hazards.
Carcinogenicity:	No known significant effects or critical hazards.
Mutagenicity:	No known significant effects or critical hazards.
Teragenicity:	No known significant effects or critical hazards.
Developmental effects:	No known significant effects or critical hazards.
Fertility effects:	No known significant effects or critical hazards.

Classification:

Styrene:	ACGIH:	A4	IARC:	2B
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12. Ecological information

Environmental effects: No known significant effects or critical hazards.

Aquatic toxicity

CAS-Nr.:100-42-5

Styrene

Mortality:

EC50 /48h

4.7mg/l

(daphnia)

Population:

EC50 /48h

0.56 mg/l

(algae)

Mortality:

LC50/ 96h

1-10 mg/l

(fish)

Persistence/degradability:

Biodegradability: Readily

General notes:

Water hazard class 2 (German Regulation) (Self-assessment):

13. Disposal considerationsProduct:

Recommendation: Must not be disposed together with household waste. Do not allow product to reach sewage system. Waste must be disposed of in accordance with national and local environmental regulations.

Unclean packaging:

Recommendation: Disposal must be made according to official regulations.

14. Transport information

Land transport ADR/ RID: Not classified as hazardous under transport regulations.

Maritime transport (IMDG): Not classified as hazardous under transport regulations.

Air transport (ICAO/ IATA-):

ICAO/IATA Class: 3

UN/ID Number: 1866

Label: 3

Packaging group: III

Proper shipping name: 1866 RESIN SOLUTION flammable (Contains Styrene)

15. Regulatory information

Labelling according to EU guidelines: The product has been classified and marked in accordance with EU Directives /Ordinance on Hazardous Material.

Hazardous component(s) for labelling:

Styrene

Code letter and hazard designation of product:

Xn

Harmful

R-phrase(s)

R 10 Flammable

R 20 Harmful

R 36/38 Irritating to eyes and skin

S-phrase(s)

S 2 Keep out of the reach of children.

S 23 Do not breathe fumes/aerosols.

S 51 Use only in well ventilated areas.

National regulations

Water hazard class: Water hazard class 2 (Self-assessment):

VOC: 30 %

16. Other information

Full text of hazard symbols and R-phrases if mentioned as hazardous components in chapter 3:

Hazards description:

Xn

Harmful

Relevant R-phrases

R	10	Flammable
R	20	Harmful
R	36/38	Irritating to eyes and skin

The information contained here in is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations.