

Note: Non hazardous material, therefore it is not necessary to provide you with a safety data sheet according to Article 31 of the EC Regulation 1907/2006 (REACH).

1. Identification of the substance / the preparation / the product and identification of the company

1.1 Identification of the substance / the preparation / the product

Trade Name: **SiLiglit Glass-Glitter, Glass-Flakes, Glass-Nuggets**

1.2 Application of the substance / the preparation / the product

To be used as: Decoration article

1.3 Company identification

Manufacturer / Supplier: Sigmund Lindner GmbH
Oberwarmensteinacher Str. 38
D-95485 Warmensteinach
Phone: (+49) 09277-9940
Fax: (+49) 09277-99499
Web: www.sili.eu
E-Mail: reach@sigmund-lindner.com

Information provided by: Mr. Michael Dressler (Quality and Innovation)
Mr. Reinhold Schneider (Quality Assurance)

1.4 Emergency Call

Emergency information: Phone: (+49) 09277-9940

This telephone number can be reached during Office Hours (MEZ):

Monday - Thursday: 7.00 AM - 4.30 PM

Friday: 7.00 AM – 1.00 PM

2. Possible dangers

Classification: It does not have to be labelled according to the Preparation Guideline, respectively EU-directives 67/548/EWG or 1999/45/EG.

Additional danger advice: In case of inappropriate handling different kinds of injuries (cuts) are possible - keep away from children!
Risk of slipping due to spillage of product!

It is not necessary that the product has to be labelled according EU-directives or national laws.

3. Composition / detailed information on the ingredients

3.1 Chemical characteristics

Description: Solid fragments of Soda-lime-glass, surface coloured

Färbevarianten:

W	Surface coloured (not resistant)
WS	Silver based + surface coloured (not resistant)
L	Surface coloured (solvent resistant coating)
LS	Silver based + surface coloured (solvent resistant coating)
LA	Aluminium based + surface coloured (solvent resistant coating)

3.2 Ingredients

Weight Soda-lime-glass ≥ 98 %					
Name	Symbol, R-/S-phrases	Weight	CAS-No.	EG-No. (EINECS)	REACH Reg.No.
main components					
Silicon dioxide SiO ₂	amorphous, no hazardous substance	68,0 - 73,0 %	7631-86-9	231-545-4	----
Sodium oxide Na ₂ O	C; R14-34	7,5 - 13,0 %	1313-59-3	215-208-9	----
Calcium oxide CaO	Xi, R37-38-41	4,0 - 9,5 %	1305-78-8	215-138-9	----
Potassium oxide K ₂ O	self-rating: C; R14-22-35	0,2 - 6,5 %	12136-45-7	235-227-6	----
Magnesium oxide MgO	no hazardous substance	0,2 - 4,3 %	1309-48-4	215-171-9	----
Zinc oxide ZnO	N; R50/53	0,0 - 4,3 %	1314-13-2	215-222-5	----
Aluminium trioxide Al ₂ O ₃	no hazardous substance	0,5 - 3,9 %	1344-28-1	215-691-6	----
Boric oxide B ₂ O ₃	Xi; R36/38	0.0 - 4,4 %	1303-86-2	215-125-8	----
further					
Weight Colour ≤ 2 %					
Name	Symbol, R-/S-phrases	CI-Number	CAS-No.	EG-No. (EINECS)	REACH Reg.No.
Base coating					
Aluminium	F, R10-15, S(2)-7/8-43	77000	7429-90-5	231-072-3	---
Silver	no hazardous substance	none	7440-62-2	231-171-1	---
Surface colouring					
Pigment Yellow 83	---	21108	5567-15-7	226-939-8	---
Pigment Blue 15	---	74160	147-14-8	205-685-1	---
Pigment Black 7	---	77266	1333-86-4	215-609-9	---
Pigment Violet 23	---	51319	6358-30-1	228-767-9	---
Pigment Red 208	---	12514	31778-10-6	250-800-0	---
Pigment Red 146	---	12485	5280-68-2	226-103-2	---
Pigment White 6	---	77891	13463-67-7	236-675-5	---
Pigment Orange 34	---	21115	15793-73-4	239-898-6	---
Pigment Brown 25	---	12510	6992-11-6	230-258-1	---
Pigment Green 7	---	74260	1328-53-6	215-524-7	---
Solvent yellow 83:1	---	none	61116-27-6	none	---

4. First-aid measures

General Advice:	Remove soiled Clothes
After Inhalation:	Provide fresh air.
After Skin Contact:	Clean Skin with water and soap.
After Eye Contact:	Remove particle carefully from the affected eye. If need be, remove contact lense. Rinse eye thoroughly with plenty of water. Consult a physician if needed.
After Swallowing:	Consult a physician after swallowing large quantities.
Advise to the physician:	Decontamination and symptomatic treatments are in most cases sufficient.

5. Fire fighting actions

Suitable extinguishing agents:	The product itself is neither combustible nor explosive. extinguishing agents has to be coordinated with the surrounding fire.
For safety reason unsuitable extinguishing agents:	largely unknown
Special dangers:	no information available
Special protective equipment:	protective equipment has to be coordinated with surrounding fire

6. Measures by accidental release

Personal protection:	Avoid the build up of dust. Do not inhale any dust.
Environmental measures:	It is not necessary to take actions in respect of product. Disposal has to be done as specified in chapter 13.
Cleaning procedures and absorption:	Dry absorption and if possible re-utilisation of the material.

7. Handling and storage

7.1 Handling

Safety advice:	High risk of slipping due to spillage of product. Avoid dust.
Technical protective measures:	No data available. The product itself is neither combustible nor explosive.

7.2 Storage

Requirements for storage in rooms and containers:	No special storage necessary. Store in tightly closed (original) containers.
Joint storage:	No specially known incompatible materials
Storage class:	LGK 13 (flammable solid materials)

8. Exposure limits and personal protection

8.1 Exposure limits

The applicable limits which are to be complied with and monitored, particularly during mechanical processing with a risk of dust:

Parameter	CAS-Number	EINECS	Value	Type of limit
General dust limit	----	----	10 mg/m ³ E 3 mg/m ³ A	Limit at work (AGW) according to the TRGS 900 Regulation
Silica, amorphous (Silicon dioxide)	7631-86-9	231-545-4	4 mg/m ³ E	Limit at work (AGW) according to the TRGS 900 Regulation
Aluminium in Urine	7429-90-5	231-072-3	200 µg/l	biological limit (BGW) according to TRGS 903, sampling is done at the end of shift
				E = breathable dust A = alveolar dust

8.2.1 Exposure limits and monitoring in the workplace

An on-site extraction system is required in the event of gathered dust and thermal pollution from the product.

Respiratory protection:



Use respiratory protection in the event of dust exposure, e.g. a P1 dust mask that conforms to DIN 3181 or a half mask with particle filter FFP1 conforms to DIN EN 140. Limited wearing period according to BGR 190.

Hand protection:



Protective gloves are generally not required. However, for constant skin contact it is necessary to use gloves of low mechanical and special material demands. Compared to BGR 195, e.g.

Material:	Mat. thickness	Penetration time:
Butyl rubber	min. 0.4 mm	min. 30 min. acc. to DIN EN 374

Eye protection:



Side-shielded safety goggles that conform to DIN 58211 / DIN EN 166 are required when carrying out mechanical processing with exposure to dust.

Body protection:

Generally, normal working clothes are sufficient.

General work protection
and hygiene measures:

Do not inhale dust. Avoid contact with eyes, skin and clothes. Do not eat, drink, smoke or snuff during work. Wash hands prior to breaks and after finishing work. Change soiled clothes. Protect skin by using e. g. skin lotions and -creams.

8.2.2 Restrictions and monitoring of the environmental exposure

There are no known properties of the product, that pose dangers to the environment. General operational measures are sufficient to protect the environment.

9. Physical and chemical properties

9.1 General details

Physical condition:	Solid
Shape Glass-Glitter:	Glass-fragments
Shape Glass-Nuggets:	Glass-pads
Odour:	Odourless
Colour:	Various (refer to table regarding colour proportions, Chapter 3.2)

9.2 Important details regarding health- / environmental protection as well as safety

pH value:	Non-applicable
Heat resistance (colouring):	150 °C
Softening point (temperature):	Non-applicable
Flash point:	Non-applicable
Self-ignition point (Solid/Gas):	Non-applicable
Blaze properties:	Non-applicable
Risk of explosion:	Non-applicable
Vapour pressure:	Non-applicable
Specific weight:	2.50 kg/dm ³
Bulk density:	1.50 kg/dm ³
Water solubility:	Insoluble in water
Partition coefficient n-Octanol/ water:	Non-applicable
Viscosity:	Non-applicable
Vapour density:	Non-applicable
Evaporation speed:	Non-applicable

9.3 Additional details

There are no further details required regarding safety-relevant parameters.

10. Stability and reactivity

In case of appropriate handling and storage no dangerous reactions will occur.

11. Toxicological data

There is no toxicological data available.

12. Environmental details

Ecological respectively ecotoxicological data is not available.

13. Disposal information

No waste is produced from the product, that would require special supervision according to the German "Closed Substance Waste Management Act" (Krw/-AbfG) respectively EU-directives 91/689/EEC and 2006/12/EC.

13.1 Product

Re-use product remainders again if possible

13.2 Uncleaned Packaging

Recommendation: Packaging can be used again if not contaminated. Cleaning agent: water

14. Transport details

Non-hazardous materials in terms of ADR/GGVS, RID/GGVE, ICAO/IATA, IMDG.

15. Legal regulations

15.1 EU Regulations

Classification and labelling: None in accordance to the EU Directive 67/548/EEC (substance directive), 1999/45/EC (dangerous preparation directive) or in accordance to any other known EU regulations.

15.2 National Regulations

Classification and labelling:	None according to the Dangerous Substances Directive (DSD) or any other known national regulation.
Working restrictions:	None according to DSD, JArbSchG or MuSchV
Statutory order on hazardous incidents:	Does not subject to statutory order on hazardous incidents
Water pollution class:	No water pollution class, not hazardous to water according to VwVwS (classification of substances hazardous to water).

16. Additional information

16.1 Summary of the Risk-/Safety-Phrases (chapters 3.2) (rating of independent substances)

R10	Flammable
R14	Reacts violently with water.
R15	Contact with water liberates extremely flammable gases
R22	Harmful if swallowed and inhaled
R34	Causes chemical burns.
R35	Causes severe chemical burns.
R36/38	Irritation to eyes and skin.
R37	Irritation to respiratory system.
R38	Irritation to skin.
R41	Risk of serious damage to eyes.
S(2)	Keep out of the reach of children
S7/8	Keep container tightly closed and dry
S43	In case of fire, use solid extinguishing agent.

16.2 Further information

Company details:	Sigmund Lindner GmbH Oberwarmensteinacher Str. 38 D-95485 Warmensteinach Phone: (+49) 09277-9940 Fax: (+49) 09277-99499 Web: www.sili.eu
Technical contacts: information	Mr. Michael Dressler (Quality and Innovation) Mr. Reinhold Schneider (Quality Assurance)

All details noted in this data sheet correspond to our knowledge at the time this data sheet has been put into effect. This information should be used as a guideline for a safe treatment in accordance with the products mentioned in our material safety data sheet, during storage, production, transport and disposal. This information is not applicable to other products, to newly produced materials, if the product mentioned in this material safety data sheet is mixed or blended with other articles or when other transformations are made to it.

Date of the current version: 28.10.2008

Reason for the current version: Conformity with Attachment II of the EU Regulation 1907/2006 (REACH) after the abolishment of EU Guideline 91/155/EEC, amended by 2001/58 EC

Replaced issue: MSDS en SiLiglit Glass-Glitter, Nuggets coloured dd 21.05.2008