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LUX ELEMENTS®-ELEMENT

Safety Data Sheet according to EC-Regulation 91/155/EEC

1. Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation

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Use of the substance/preparation

High-resistance foam carrier material

Company/undertaking identification

LUX ELEMENTS GmbH & Co. KG, An der Schusterinsel 7, D-51379 Leverkusen
Telephone +49 (0)2171/72 12-0, Fax +49 (0)2171/72 12-40
info@luxelements.de, www.luxelements.de

Emergency telephone / Office for advice

Advisory office in case of poisoning:

Tel.: ---

Telephone number of the company in case of emergencies:

Tel. +49 5262 / 99 39 657 (LEC)

2. Composition/information on ingredients

2.1 Chemical name	content %	symbol	R-phrases	EINECS, ELINCS
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3. Hazards identification

This is a product.

3.1 To people

See point 11 and 15.

Not applicable

3.2 To the environment

See point 12.

Not applicable

4. First aid measures

4.1 Inhalation

On dust formation:

Remove person from danger area.

Supply person with fresh air and consult doctor according to symptoms.

4.2 Eye contact

On dust formation:

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

4.3 Skin contact

Not required.

4.4 Ingestion

Typically no exposure pathway.

4.5 Special resources necessary for first aid

n.c.

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5. Fire-fighting measures

5.1 Suitable extinguishing media

Water jet spray / foam / CO₂ / dry extinguisher

5.2 Extinguishing media which must not be used for safety reasons

None

5.3 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

In case of fire the following can develop:

Soot

Oxides of carbon

Toxic pyrolysis products.

5.4 Special protective equipment for fire-fighters

Protective respirator with independent air supply

5.5 Further information

Dispose of contaminated extinction water according to official regulations.

6. Accidental release measures

Refer to point 13. and for personal protection refer to point 8.

6.1 Personal precautions

No special measures required.

6.2 Environmental measures

Normally not necessary.

6.3 Methods for cleaning up

Collect mechanically and dispose of according to point 13.

7. Handling and storage

7.1 Handling

Tips for safe handling:

See point 6.1

No special measures required.

Wash hands before breaks and at end of work.

Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.

General hygiene measures for the handling of chemicals are applicable.

Observe directions on label and instructions for use.

7.2. Storage

Requirements for storage rooms and containers:

No special measures required.

Store products only unopened, in original packing.

Not to be stored in gangways or stair wells.

Do not store with solvents.

Special storage conditions:

See point 10.2

Store at room temperature.

Store in a dry place.

8. Exposure controls/personal protection

Ensure good ventilation. This can be achieved by local suction or general air extraction.

If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.

Applies only if maximum permissible exposure values are listed here.

Materials are integrated into the product and should not lead to any exposure under normal handling conditions.

 **Chemical Name** general dust limit

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WEL-TWA: 10 mg/m3 (inhal. dust), 4 mg/m3 (respir. dust)	WEL-STEL: ---	---
BMGV: ---	Other information: ---	
Chemical Name Quartz		
WEL-TWA: 0,1 mg/m3 (silica, respirable, crystalline)	WEL-STEL: ---	---
BMGV: ---	Other information: ---	
Chemical Name Portland cement		
WEL-TWA: 10 mg/m3 (total inh. dust), 4 mg/m3 (res. dust)	WEL-STEL: ---	---
BMGV: ---	Other information: ---	
Chemical Name Cement, alumina, chemicals		
WEL-TWA: 10 mg/m3 (total inh. dust), 4 mg/m3 (res. dust) (portland cement)	WEL-STEL: ---	---
BMGV: ---	Other information: ---	
Chemical Name Calcium carbonate		
WEL-TWA: 4 mg/m3 (respirable dust), 10 mg/m3 (total inhalable dust)	WEL-STEL: ---	---
BMGV: ---	Other information: ---	

WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.
** = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.

8.1 Respiratory protection:

Normally not necessary.

If the general dust-limit is exceeded, breathing masks with fine-dust filters are necessary (EN 143).

8.2 Hand protection:

Normally not necessary.

During processing:

If applicable

Leather gloves

8.3 Eye protection:

Normally not necessary.

On dust formation:

If applicable

Tight fitting protective goggles with side protection (EN 166).

8.4 Skin protection:

Protective working garments (e.g. safety shoes EN 344, long-sleeved protective working garments)

Additional information on hand protection - No tests have been performed.

Selection made for preparations according to the best available knowledge and information on the ingredients.

Selection of materials derived from glove manufacturer's indications.

Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.

Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.

In the case of preparations the resistance of glove materials cannot be calculated in advance so it has to be tested before use. The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

9. Physical and chemical properties

Physical state:

Solid

Colour:

Grey, White, Blue

Odour:

Odourless

Boiling point/range (°C):

Not specified

Melting point/range (°C):

Not detected

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Flash point (°C):	n.a.
Density (g/ml):	32,4 kg/m ³
Solubility in water:	Insoluble

10. Stability and reactivity

10.1 Conditions to avoid

Stable when handled and stored correctly.

10.2 Materials to avoid

Solvent

10.3 Hazardous decomposition products

See point 5.3

No decomposition when used as directed.

11. Toxicological information

11.1 Acute toxicity and immediate effects

Ingestion, LD50 rat oral (mg/kg):	n.av.
Inhalation, LC50 rat inhal.(mg/l/4h):	n.av.
Skin contact, LD50 rat dermal (mg/kg):	n.av.
Eye contact:	n.av.

11.2 Delayed and chronic effects

Sensitization:	n.c.
Carcinogenicity:	n.c.
Mutagenicity:	n.c.
Reproductive toxicity:	n.c.
Narcosis:	n.c.

11.3. Further information

This is a product.

The following may occur:

On dust formation:

Irritation of the eyes

Irritation of the respiratory tract

12. Ecological information

Water hazard class (Germany):	Not hazardous to water.
Self classification:	Yes (VwVwS)
Persistence and degradability:	
Not biodegradable	
Behaviour in sewage plants:	n.av.
Aquatic toxicity:	n.av.
Ecological toxicity:	n.av.

13. Disposal considerations

13.1. for the material / preparation / residue

EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product.

Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2001/118/EC, 2001/119/EC, 2001/573/EC)

17 06 04 insulation materials other than those mentioned in 17 06 01 and 17 06 03

17 09 04 mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03

Recommendation:

Pay attention to local and national official regulations

E.g. dispose at suitable refuse site.

E.g. suitable incineration plant.

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13.2 for contaminated packing material

See point 13.1

Pay attention to local and national official regulations

Recommendation:

Recycling

15 01 01 paper and cardboard packaging

15 01 02 plastic packaging

14. Transport information

General statements

UN-Number: n.a.

Road/Rail-transport (ADR/RID)

Class/packing-group: n.a.

Classification code: n.a.

LQ: n.a.

Transport by sea

IMDG-code: n.a. (class/packing-group)

Marine Pollutant: n.a.

Transport by air

IATA: n.a. (class/secondary danger/packing-group)

Additional information:

Non-dangerous material according to Transport Regulations.

15. Regulatory information

Classification according to Dangerous Product Regulations incl. EC Directives (67/548/EEC and 1999/45/EC)

Symbols: Not applicable

Indications of danger: ---

R-phrases:

S-phrases:

Additions: n.a.

VOC 1999/13/EC 0%

Observe restrictions: n.a.

16. Other information

These details refer to the product as it is delivered.

Storage class VCI (Germany): 13

Revised points: 1

Legend:

n.a. = not applicable / n.v., k.D.v. = n.av. = not available / n.g. = n.c. = not checked

WEL = Workplace Exposure Limit EH40, TWA = Long-term exposure limit (8-hour TWA (= time weighted average) reference

period), STEL = Short-term exposure limit (15-minute reference period) / BMGV = Biological monitoring guidance value EH40

AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany) / BGW = "Biologischer Grenzwert" (biological limit value, Germany)

VbF = Regulations for flammable liquids (Austria)

WGK = water hazard class (Germany) - WGK 3 = very hazardous, WGK 2 = hazardous, WGK 1 = slightly hazardous to water

VOC = Volatile organic compounds / AOX = Adsorbable organic halogen compounds

VwVwS = Administrative Order relating to substances hazardous to water (Germany)

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.

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No responsibility.

These statements were made by:

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