

HASCO Hasenclever, Postfach, D-58505 Lüdenscheid

HASCO Hasenclever GmbH + Co KG  
Im Wiesental 77, D-58513 Lüdenscheid  
Tel. (0 23 51) 95 70, Fax (0 23 51) 95 72 37  
Info.de.mk@hasco.com, www.hasco.com

## Safety data sheet

conforming to (EG) 1907/2006

Please specify for inquiry

Order No. <b>Z 1212/Z 1213</b>	Updated, Date <b>13. 11. 08</b>
<b>Thermal insulating sheet</b>	HASCO-Sales tax-IdNr.
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### 1. Substance / preparation and name of company

Name of product

**Z 1212/Z 1213 Thermal insulating sheets**

Application of the substance/ preparation

Heat Insulation and Engineering Materials

Name of company

HASCO Hasenclever GmbH + Co KG  
Im Wiesental 77, D-58513 Lüdenscheid  
Telefon (02351) 957 0, Telefax (02351) 957 237

Junction for technical information:

Contamination information center: (0761) 19 24 0

### 2. Composition / information on ingredients

Chemical nature	Solid inert material made from high temperature resistant thermosetting plastics i.e. glass fibers and resin.
Hazardous ingredients	N/A

### 3. Possible hazards

Specific hazards	specific hazards are not known
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### 4. First aid measures

If inhaled

Avoid inhaling of dust, stay in fresh-air area.

On skin contact

The glass fibres might irritate the skin. Wash hands with plenty of water and soap and put on protective gloves/clothes.

On contact with eyes

Particle penetrated in the eye should be handled like foreign bodies; do not rub, flush with plenty of water; seek medical attention.

### 5. Fire fighting measures

Suitable extinguishing media	Water, water spray, foam, drying extinguishing media
Unsuitable extinguishing media by reasons of safety	N/A

In case of fire carbon monoxide, carbon dioxide and other hazardous gases and fumes (e.g. NOx) originate.

In case of fires use a protective device exhaled air, self-contained or recirculated air.

**6. Accidental release measures**

General advices	N/A
Environmental precautions	N/A
Methods for cleaning up	N/A

**7. Handling and storage**

When cutting Z1212 / 1213 ventilation or respiratory protection is recommended (glass dust.)  
Store dry in original package at ambient temperature.

**8. Exposure control and personal protection**

For this product no limiting values must be applied for working places. Respiratory protection respectively exhaust installation is recommended during mechanical machining of Z1212 / 1213. Please take care of general advices regarding industrial occupation hygiene.  
Do not eat, drink and smoke during work.

**9. Physical and chemical properties**

## Appearance

Form	solid board
Colour	yellow
Odour	none

## Change of condition

Boiling point	N/A
Melting point	N/A
Flash point	N/A
Ignition temperature	approx. 400°C
Thermal decomposition	at continuous high temperatures > 250°C
Explosion limits	N/A
Vapour pressure	N/A
Density	approx. 1,45 g/cm <sup>3</sup>
Bulk density	N/A
Solubility in water	N/A
pH - value	N/A
Viscosity	N/A

**10. Stability and reactivity**

## Conditions to be avoided

If handled properly the product is stable.

## Substances to be avoided

Fire stimulating materials

## Thermal decomposition

At continuous high temperatures (> 250 °C) slow decomposition of the product

## Hazardous decomposition products

At thermal decomposition toxic products arise

## Dangerous reactions

Under usual conditions of application dangerous reactions are not known.

**11. Toxicological information**

No special knowledge available.

**12. Ecological information**

Water hazard class 0: : generally not dangerous to water (own classification)

**13. Disposal considerations**

No special advices, because the product is totally cured.

Pay attention to local authority regulations and directives for disposal.

Disposal code: AVV 120105

**14. Transport information**

Land transport ADR / RID	Not hazardous
Inland waterway transport ADN / ADNR	Not hazardous
Sea transport IMDG	Not hazardous
Air transport IATA - DGR	Not hazardous

**15. Regulatory information**

No special regulations.

**16. Other information**

According to the present state of technology neither fibrogenous nor cancer causing modifications are caused through this glass fibre reinforced plastics. The glass filament products are produced with an endless production so that the critical parameter respectively parameter combinations (length: > 5 µm; diameter: < 3 µm; length:diameter > 3:1) will not be achieved.

However we recommend to care for an adequate exhaust of the arising dust during machining respectively, if an exhaust installation is not possible to wear suitable respiratory protection.

The information contained herein is based on the present state of knowledge and describes our product regarding possible safety requirements and labelling according to existing laws. However certain properties are not guaranteed. Recipients of our product must take responsibility for observing existing laws and regulations.

Issuing department of data sheet: Product management Tel. (0 23 51) 95 70

**Replaces edition from 03.01.2005**

N/A = not applicable

N/B = unknown