

**Safety data sheet**

according to 91/155/EEC

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BASF Safety data sheet  
Date / revised: 07.05.2001  
Product: TERLUX\* 2812 TR TRANSPARENT

KT 00031-C (D/E)  
version 3.02

(Print date: 14.02.2003)

**1. Substance/preparation and company name**

**TERLUX\* 2812 TR TRANSPARENT**

**2. Composition/information on ingredients**Chemical nature

Polymer blend of:  
polymethyl methacrylate, styrene - acrylonitrile - copolymer,  
methyl methacrylate - styrene - butadiene - copolymer.

Hazardous ingredients

None

**3. Possible hazards**

None

**4. First aid measures**If inhaled:

On inhalation of decomposition products: Keep patient calm, remove to fresh air, summon medical help

On skin contact:

Areas affected by molten material should be quickly placed under cold running water.

On ingestion:

No special measures necessary.

Note to physician:

On inhalation of decomposition products: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

**5. Fire fighting measures**

Suitable extinguishing media: Water, dry extinguishing media, foam.

Unsuitable extinguishing media for safety reasons: None.



The following can be given off in a fire: Carbon dioxide (CO<sub>2</sub>) and steam.

In addition small quantities of the following substances can be formed: Carbon monoxide, monomers, other degradation products, hydrogen cyanide (traces).

Special protective equipment: In case of fire, wear a self contained breathing apparatus.

Further information: Dispose of fire debris and contaminated extinguishing water in accordance with local regulations.

## 6. Accidental release measures

Methods for cleaning up: Sweep/shovel up.

## 7. Handling and storage

### Handling

Gaseous products of degradation can be given off if the product is greatly overheated: monomers, other degradation products, hydrogen cyanide (traces).

Avoid inhalation of vapour.

Processing machines must be fitted with local exhaust ventilation. atmospheric air evaluation in accordance with TRGS 402 (Germany)

When the product is ground (chopped), dust explosion regulations should be noted. VDI guideline 3673, 2263(Germany)

Protection against fire and explosion: No special measures necessary.

### Storage

Keep in a dry place.

## 8. Exposure controls and personal protection

Additional information on the lay-out of technical plant  
( see 7 )

### Components with workplace control parameters

The following can be given off when the product is processed (traces)

Styrene, CAS-No. 100-42-5

Methyl methacrylate, CAS-No. 80-62-6

The relevant MAK values should be noted (Germany).  
( TRGS 900 (Germany). )

Acrylonitrile, CAS-No. 107-13-1,

buta-1,3-diene, CAS-No. 106-99-0,

The relevant TRK values should be noted (Germany).  
( TRGS 100,102 (Germany) )

buta-1,3-diene, acrylonitrile: EC category C2

Given suitable ventilation, it can be assumed that the threshold limits will not be reached.

### Personal protective equipment

Respiratory protection: If breathable dust is formed Filter P1 (for solid particles) (DIN 3181)

Eye protection: With free flowing granules safety glasses.



## 9. Physical and chemical properties

Form: granular  
Colour: various, depending on the shade  
Odour: faint specific odour

Change in physical state  
Softening point: >85 °C DIN 53460

Ignition temperature: >400 °C (DIN 51794)

Fire promoting properties: none

Density: 1,08 g/cm³ DIN 53479  
Bulk density: 600 kg/m³ (approx.)

Solubility in water: Insoluble.  
Solubility in other solvents: Soluble in polar solvents.

## 10. Stability and reactivity

Conditions to avoid: To avoid thermal decomposition, do not overheat.  
Starts to decompose at 300°C.

Possible thermal degradation products: Monomers, other degradation products, hydrogen cyanide (traces).

## 11. Toxicological information

### Acute toxicity

No data available. Insoluble in: water.

## 12. Ecological information

### Elimination information

No data available. Insoluble in water

### Behaviour and environmental fate

Due to the consistency of the product, and its insolubility in water, it will apparently not be bioavailable.

## 13. Disposal considerations

Product: Must be dumped or incinerated in accordance with local regulations.

## 14. Transport information

Not classified as hazardous under transport regulations.

## 15. Regulatory information

Labelling according to EEC Directives  
Not subject to labelling.



National legislation/regulations

Supplementary classification according to German "Hazardous Substances" legislation (Gefahrstoffverordnung):

Not classified according to German "Hazardous Substance" regulations (Germany).

Water hazard class: non water hazardous (VwVwS (Germany) of 17.5.1999, Annex 1)

**16. Other information**

A backslash in the left hand margin indicates an amendment from the previous version.

The information contained herein 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.

