

## 1. Identification of the substance/mixture and of the company/undertaking:

### Product identifier

**Trade name:** UV - Developer (dry-powder)

**Article number:** UVP

**Relevant identified uses of the substance or mixture and uses advised against**

### Application of the substance / the preparation

As **PENETRANT** at the penetration process by colours acc. to  
(German Standard) DIN 54 152 part 1 [EN ISO 3452-1] for finding surface cracks.

### Details of the supplier of the safety data sheet

#### Manufacturer/Supplier

Helmut Klumpf

Technische Chemie KG

Industriestr. 15

D - 45699 Herten Phone.: +49(0)2366 1003 - 0 Email: klumpf@diffu-therm.de

**Emergency telephone number a.m. or next Emergency phone:**

## 2. Hazards identification

### Classification of the substance or mixture

According to Regulation (-EC) no. 1272/2008

The product is not subject to classification according to GHS criteria

### Labelling according to Regulation (EC) No 1272/2008

Globally Harmonized System, EU (GHS)

The product is not subject to classification according to GHS criteria.

### Results of PBT and vPvB assessment

**PBT:** Not applicable. **vPvB:** Not applicable.

## 3. Composition/information on ingredients

### Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008

Description:

magnesium carbonate

approximate composition:  $4 \text{ MgCO}_3 \cdot \text{Mg}(\text{OH})_2 \cdot 5 \text{ H}_2\text{O}$  CAS-No. 12125-28-9

## 4. First aid measures

### After inhalation

Provide fresh air

### After skin contact

Generally the product does not irritate

### After eye contact

Rinse opened eye for at least 15 minutes under running water. Get medical attention if irritation occurs.

### After swallowing

Rinse out mouth and then drink plenty of water and seek medical attention.

## 5. Fire fighting measures

### Extinguishing media

#### Suitable extinguishing agents

ABC powder, foam, carbon dioxide, water spray.

#### For safety reasons unsuitable extinguishing agents

Water with a full water jet.

#### Special hazards arising from the substance or mixture

No

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Not required

### Environmental precautions:

No special measures necessary

### Methods and material for containment and cleaning up:

Use mechanical handling equipment



## 7. Handling and storage

### Handling

#### Precautions for safe handling

when handling chemicals usual precautions; Ensure good dust in the workplace.

#### Information about protection against explosions and fires:

No special measures required.

#### Storage:

Conditions for safe storage, including any incompatibilities: no

Storage class: 13

## 8. Exposure controls/personal protection

### Control parameters

#### Components with critical values that require monitoring at the workplace:

No known to occupational exposure limits.

#### Breathing equipment:

Not necessary

#### Protection of hands:

Protective gloves

#### Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

#### Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. Apron, protective boots, chemical-protection suit (according to EN 14605 in case of splashes).

#### General protective and hygienic measures:

Handle in accordance with good industrial hygiene to notice yourself.

In addition to the stated personal protective equipment to wearing work clothing is required.

## 9. Physical and chemical properties

### General Information

Form: powder

Colour: weight

Smell: no smelling

#### Data relevant for safety:

Boiling range:

no applicable °C

Flash point:

no applicable °C

Ignition temperature:

no applicable °C

Explosive properties:

no applicable

Explosion limits Lower e.l.:

no applicable

Upper e.l.:

no applicable

Vapour pressure (20°C):

no applicable

Density (20°C):

2,16 g/m<sup>3</sup>

Solubility in water (20°C):

not dissolvent

pH-value (20°C)

9 - 10 at 20°C: 50g/l

## 10. Stability and reactivity

### Reactivity

Not expected to metal corrosion.

### Chemical stability

#### Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

#### Possibility of hazardous reactions

Contact with acids releases toxic gases.

#### Incompatible materials:

No further relevant information available.

#### Hazardous decomposition products:

no



## 11. Toxicological information

### Information on toxicological effects

**Acute toxicity:** no information available.

### Primary irritant effect:

**on the skin:** no information available.

**on the eye:** no information available.

**Sensitization:** No sensitizing effect known.

## 12. Ecological information

### Aquatic toxicity:

The product causes as inorganic substance no oxygen consumption.

### Persistence and degradability

Generally not hazardous for water.

**Other information:** No known relevant information.

### Behaviour in environmental systems:

### Bioaccumulative potential

### Additional ecological information:

**General notes:** Generally not hazardous for water.

## 13. Disposal considerations

### Waste treatment methods

### Recommendation

Smaller quantities can be disposed of with household waste..

### European waste catalogue -

### Uncleaned packaging's:

**Recommendation:** Disposal according to local regulations.

## 14. Transport information

**Land transport ADR/RID, Marine transport IMDG and Air transport ICAO-TI and IATA-DGR**

No danger goods in all transport regalement.

## 15. Regulatory information

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

### Labelling according to Regulation (EC) No 1272/2008

The product is not subject to classification according to GHS criteria.

**Relevant phrases:** no

### National regulations

**Water hazard class:** Generally not hazardous for water.

**Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

## 16. Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally contractual relationship.

### Department issuing data specification sheet:

**Contact:** Helmut. Klumpf Technische Chemie KG

### Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent