

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 MgCO₃ · Mg (OH)₂ · 5 H₂O 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: pover

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/m³

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