



This safety data sheet is prepared in accordance with EU directive 91/155/EC amended by Directive 2001/58/EC



# SAFETY DATA SHEET

## Stain protector

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

#### Identification of the substance or preparation

**Product name** : Stain protector  
**Product use** : Invisible protection against stains and dirt for unglazed ceramic tiles, quarry tiles and natural stone

#### Company/undertaking identification

**Manufacturer** : HG International b.v. **Telephone No.:** : +31 (0)36 54 94 700  
**Address** : Damsluisweg 70 **Fax** : +31 (0)36 54 94 744  
1332 EJ Almere **Internet:** : www.hginternational.com  
**Country** : Netherlands  
**Importer** : HG UK  
**Address** : Unit 11 Grange Way Business Park Whitehall Road Industrial Estate  
Uk Colchester Essex CO2 8HF  
**Telephone No.:** : +44.1206.795.200  
**Fax** : +44.1206.795.201  
**Country** : United Kingdom (UK)

### 2. Composition/information on ingredients

**Substance/preparation** : Preparation

Ingredient name	CAS number	EC Number	%	Classification
United Kingdom (UK) N-Methyl-2-pyrrolidone	872-50-4	212-828-1	1 - 5	Xi; R36/38

See section 16 for the full text of the R Phrases declared above

\* Occupational Exposure Limit(s), if available, are listed in Section 8

### 3. Hazards identification

The preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.

**Classification** : Not classified.

See section 11 for more detailed information on health effects and symptoms.

### 4. First aid measures

#### First aid measures

**Inhalation** : If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Obtain medical attention.

**Ingestion** : Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.

**Skin Contact** : In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Obtain medical attention.

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- Eye contact** : In case of contact, immediately flush eyes with a copious amount of water for at least 15 minutes. Get medical attention if irritation occurs.
- Notes to physician** : Not available.
- Specific treatments** : Not available.
- See section 11 for more detailed information on health effects and symptoms.

#### 5. Fire-fighting measures

- Extinguishing media** : Use an extinguishing agent suitable for surrounding fires.
- Special exposure hazards** : No specific hazard.  
Not available.
- Hazardous thermal decomposition products** : These products are carbon oxides (CO, CO<sub>2</sub>), nitrogen oxides (NO, NO<sub>2</sub>...).
- Special protective equipment for fire-fighters** : Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

#### 6. Accidental release measures

- Personal Precautions** : Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (Section 8).
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
- Methods for cleaning up** : If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) scoop up material and place in a sealed, liquid-proof container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

#### 7. Handling and storage

- Handling** : Wash thoroughly after handling.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area.
- Packaging materials**
- Recommended** : Use original container.
- Specific uses** : Not available.

#### 8. Exposure controls/personal protection

Exposure limit values :

<u>Ingredient name</u>	<u>Occupational exposure limits</u>
<u>United Kingdom (UK)</u> N-Methyl-2-pyrrolidone	<b>EH40-WEL (United Kingdom (UK), 1/2005). Skin</b> STEL: 309 mg/m <sup>3</sup> 15 minute(s). Form: All forms STEL: 75 ppm 15 minute(s). Form: All forms TWA: 103 mg/m <sup>3</sup> 8 hour(s). Form: All forms TWA: 25 ppm 8 hour(s). Form: All forms

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<b>Occupational exposure controls</b>	: Ensure that eyewash stations and safety showers are close to the workstation location.
<b>Respiratory protection</b>	: A respirator is not needed under normal and intended conditions of product use.
<b>Hand protection</b>	: Butyl rubber gloves. Permeation time $\geq$ 8 hours: (5 mm)
<b>Eye protection</b>	: safety glasses with side shields
<b>Skin protection</b>	: Work uniform or laboratory coat.

## 9. Physical and chemical properties

### General information

#### Appearance

<b>Physical state</b>	: Liquid.
<b>Colour</b>	: Yellow. Hazy (Light.)
<b>Odour</b>	: Characteristic.

### Important health, safety and environmental information

<b>pH</b>	: 4.5 (Conc. (% w/w): 100) [Acidic.]
<b>Melting point</b>	: $<0^{\circ}\text{C}$ ( $32^{\circ}\text{F}$ )
<b>Boiling point</b>	: $100^{\circ}\text{C}$ ( $212^{\circ}\text{F}$ )
<b>Flash point</b>	: Closed cup: Higher than $93.3^{\circ}\text{C}$ ( $200^{\circ}\text{F}$ ).
<b>Flammability (solid, gas)</b>	: Not applicable.
<b>Explosive properties</b>	: Not available.
<b>Explosion Limits</b>	: The greatest known range is Lower: 1.3% Upper: 9.5% (N-Methyl-2-pyrrolidone)
<b>Oxidising properties</b>	: Not applicable
<b>Relative density</b>	: $1.007\text{ g/cm}^3$ ( $20^{\circ}\text{C}$ / $68^{\circ}\text{F}$ )
<b>Solubility</b>	: Easily soluble in cold water, hot water. Soluble in methanol, diethyl ether, acetone.
<b>Evaporation rate (butyl acetate = 1)</b>	: 0.03 (N-Methyl-2-pyrrolidone) compared to Butyl acetate.

### Other information

<b>Auto-ignition temperature</b>	: The lowest known value is $245^{\circ}\text{C}$ ( $473^{\circ}\text{F}$ ) (N-Methyl-2-pyrrolidone).
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## 10. Stability and reactivity

<b>Stability</b>	: The product is stable.
<b>Conditions to Avoid</b>	: Stable under recommended storage and handling conditions (see section 7). Keep away from heat, sparks and flame.
<b>Materials to avoid</b>	: Reactive with alkalis.
<b>Hazardous Decomposition Products</b>	: These products are carbon oxides ( $\text{CO}$ , $\text{CO}_2$ ), nitrogen oxides ( $\text{NO}$ , $\text{NO}_2$ ...).



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#### 14. Transport information

##### International transport regulations

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label	Additional Information
ADR/RID Class	Not regulated.	-	-	-		<b>Remarks</b> Keep in frostfree area
ADN Class	Not regulated.	-	-	-		<b>Remarks</b> Keep in frostfree area
IMDG Class	Not regulated.	-	-	-		<b>Remarks</b> Keep in frostfree area
IATA-DGR Class	Not regulated.	-	-	-		<b>Remarks</b> Keep in frostfree area

#### 15. Regulatory information

##### EU Regulations

- Risk Phrases** : This product is not classified according to the EU regulations.
- Safety Phrases** : S2- Keep out of the reach of children.  
S46- If swallowed, seek medical advice immediately and show this container or label.
- Other EU regulations** : Not available.
- Product use** : Classification and labelling have been performed according to EU directives 67/548/EEC, 1999/45/EC, including amendments and the intended use.  
- Consumer applications.
- Additional warning phrases** : Safety data sheet available for professional user on request.
- EC Statistical classification (Tariff Code)** : 32089091
- Ingredients identification information** : Not applicable.

#### 16. Other information

**Full text of R phrases referred to in sections 2 and 3 - United Kingdom (UK)** : R36/38- Irritating to eyes and skin.

**Full text of classifications referred to in sections 2 and 3 - United Kingdom (UK)** : Xi - Irritant

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Verified by T. Rutgers.

##### Notice to reader

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*To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.*

*Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*

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