

SAFETY DATA SHEET

Permanent anti-slip

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

Identification of the substance or preparation

Product name : Permanent anti-slip
Product use : Roughens the surface of slippery tiles and natural stone floors, as well as enamel and ceramic shower trays and baths.

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)				
Fatalcohoethoxylate	69011-36-5	polymer	1 - 5	Xn; 22 Xi; 41
Hydrogen Fluoride (HF)	7664-39-3	231-634-8	0 - 1	T+; 26/27/28 C; 35

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 classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : Xn; 20/21/22
Xi; 36

Human health hazards : Harmful by inhalation, in contact with skin and if swallowed.
Irritating to eyes.

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

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4. First aid measures

First aid measures

- Inhalation** : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. 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. Obtain medical attention.
- 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.
- Eye contact** : In case of contact, immediately flush eyes with a copious amount of water for at least 15 minutes. Obtain medical attention immediately.
- 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.
- 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** : Do not ingest. Avoid contact with eyes, skin and clothing. Keep container closed. Use only with adequate ventilation. Avoid breathing vapour or mist. 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.

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8. Exposure controls/personal protection

Ingredient name

United Kingdom (UK)

Hydrogen Fluoride (HF)

Occupational exposure limits

EH40-WEL (United Kingdom (UK), 1/2005).

STEL: 2,5 mg/m³ 15 minute(s). Form: All forms

STEL: 3 ppm 15 minute(s). Form: All forms

TWA: 1,5 mg/m³ 8 hour(s). Form: All forms

TWA: 1,8 ppm 8 hour(s). Form: All forms

Exposure controls

Occupational exposure controls

: No special ventilation requirements. Ensure that eyewash stations and safety showers are close to the workstation location.

Respiratory protection

: Wear appropriate respirator when ventilation is inadequate.

Hand protection

: Chemical-resistant, impervious gloves or gauntlets complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
>8 hour(s) (breakthrough time): Butyl rubber gloves.

Eye protection

: safety glasses with side shields

Skin protection

: Work uniform or laboratory coat.

9. Physical and chemical properties

General information

Appearance

Physical state

: Liquid.

Colour

: Colourless.

Odour

: Pungent.

Important health, safety and environmental information

pH

: 3.35 [Acidic.]

Melting point

: 0°C (32°F)

Boiling point

: 100°C (212°F)

Flash point

: Not applicable.

Explosive properties

: Not available.

Oxidising properties

: Not available.

Relative density

: 1 g/cm³ (20°C / 68°F)

Solubility

: Easily soluble in cold water, hot water.

Viscosity

: Dynamic: The highest known value is 157 cP (Fatalcoholethoxylate)

Other information

10. Stability and reactivity

Stability

: The product is stable.

Conditions to Avoid

: Stable under recommended storage and handling conditions (see section 7).

Materials to avoid

: Highly reactive with alkalis.
Reactive with metals.

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11. Toxicological information

Potential acute health effects

- Inhalation** : Harmful by inhalation.
- Ingestion** : Harmful if swallowed.
- Skin Contact** : Harmful in contact with skin.
- Eye contact** : Irritating to eyes.

Acute toxicity

<u>Ingredient name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
Fatalcoholethoxylate	LD50	200 to 2000 mg/kg	Oral	Rat
Hydrogen Fluoride (HF)	LDLo	500 mg/kg	Dermal	Mouse

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Inhalation : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Skin : No known significant effects or critical hazards.

Other adverse effects : Not available.

12. Ecological information

Ecotoxicity data

<u>Ingredient name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>
Fatalcoholethoxylate	Flora. (EC50)	72 hour(s)	1 to 10 mg/l
	LEUCISCUS IDUS (LC50)	96 hour(s)	1 to 10 mg/l
	Aquatic Invertebrates. (LC50)	48 hour(s)	1 to 10 mg/l

No known significant effects or critical hazards.

Other adverse effects

13. Disposal considerations

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Waste classification : Not applicable.





Hazardous waste : The classification of the product may meet the criteria for a hazardous waste

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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	1790	UN 1790, "dangerous goods in limited quantities of class 8", II, ADR solution (Hydrogen Fluoride (HF))	8	II		Hazard identification number 86 Limited quantity LQ22 Remarks Keep in frostfree area
ADN Class	1790	UN 1790, "dangerous goods in limited quantities of class 8", II, ADN solution (Hydrogen Fluoride (HF))	8	II		Remarks Keep in frostfree area
IMDG Class	1790	"dangerous goods in limited quantities of class 8" UN 1790, PG II solution (Hydrogen Fluoride (HF))	8	II		Emergency schedules (EmS) F-A, S-B Remarks Keep in frostfree area
IATA-DGR Class	1790	"dangerous goods in limited quantities of class 8" UN 1790, PG II solution (Hydrogen Fluoride (HF))	8	II		Remarks Keep in frostfree area

15. Regulatory information

EU Regulations

Hazard symbol(s) :



Harmful

Risk Phrases :

R20/21/22- Harmful by inhalation, in contact with skin and if swallowed.
R36- Irritating to eyes.

Safety Phrases :

S2- Keep out of the reach of children.
S13- Keep away from food, drink and animal feeding stuffs.
S25- Avoid contact with eyes.
S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37- Wear suitable protective clothing and gloves.
S46- If swallowed, seek medical advice immediately and show this container or label.

Contains :

Hydrogen Fluoride (HF)

231-634-8

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Other EU regulations : non-ionic surfactants
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.

Other EU regulations

Tactile warning of danger : Yes, applicable.
EC Statistical classification (Tariff Code) : 32089091
Ingredients identification information : less than 5%: non-ionic surfactants.

16. Other information

Full text of R phrases referred to in sections 2 and 3 - United Kingdom (UK) : R26/27/28- Very toxic by inhalation, in contact with skin and if swallowed.
R20/21/22- Harmful by inhalation, in contact with skin and if swallowed.
R22- Harmful if swallowed.
R35- Causes severe burns.
R36- Irritating to eyes.
R41- Risk of serious damage to eyes.

Full text of classifications referred to in sections 2 and 3 - United Kingdom (UK) : T+ - Very toxic
C - Corrosive
Xn - Harmful
Xi - Irritant

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Notice to reader

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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