

SAFETY DATA SHEET

Satin gloss polish

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

Identification of the substance or preparation

Product name : **Satin gloss polish**
Product Use : Sealer for unglazed quarry tiles, floortiles and slate

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 : The 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)
Emergency telephone number : XXXX

2. Composition/information on ingredients

Substance/Preparation : Preparation

Ingredient Name	CAS number	%	EC Number	Classification
Europe				
Watery modified maleinresin.	8050-28-0	1-5	232-480-4	Xi; R36/37/38
dipropylene glycol methyl ether	34590-94-8	1-5	252-104-2	Xi; R36/37
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.

Additional Hazards : Not applicable

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. If large quantities of this material are swallowed, call a physician immediately.

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.

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

5. Fire-fighting measures

Extinguishing media : In case of fire, use water spray (fog), foam, dry chemical, or CQ.

Special exposure hazards : No specific hazard.
Not available.

Hazardous thermal decomposition products : These products are carbon oxides (CO, CQ), phosphates.

Special protective equipment for fire-fighters : Fire-fighters should wear self-contained positive pressure breathing apparatus (SCBA) and full turnout gear.

6. Accidental release measures

Personal Precautions : Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (Section 8). Follow all fire fighting procedures (Section 5).

Environmental precautions and cleanup methods : Minimize contact of spilled material with soils to prevent runoff to surface waterways. See Section 13 for Waste Disposal Information.

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.

Danish Fire Class : Not available.

Czech Republic - Storage Code : III

Specific uses : Not available.

8. Exposure controls/personal protection

Ingredient Name

Occupational Exposure Limits

Europe

dipropylene glycol methyl ether

EU OEL (Europe, 2000). Skin Notes: Indicative

TWA: 308 mg/m³ 8 hour(s).

TWA: 50 ppm 8 hour(s).

Sweden

dipropylene glycol methyl ether

AFS (Sweden, 2000). Skin Notes:

KTV: 450 mg/m³ 15 minute(s).

KTV: 75 ppm 15 minute(s).

NGV: 300 mg/m³ 8 hour(s).

NGV: 50 ppm 8 hour(s).

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dipropylene glycol methyl ether	Arbejdstilsynet (Denmark, 2002). Skin Notes: GV: 300 mg/m ³ 8 hour(s). GV: 50 ppm 8 hour(s).
Norway	
dipropylene glycol methyl ether	Arbejdstilsynet (Norway, 2001). Skin Notes: AN: 300 mg/m ³ 8 hour(s). AN: 50 ppm 8 hour(s).
France	
dipropylene glycol methyl ether	INRS (France, 1999). Notes: Advisory VME: 600 mg/m ³ 8 hour(s). VME: 100 ppm 8 hour(s).
Netherlands	
dipropylene glycol methyl ether	Nationale MAC-lijst (Netherlands, 2003). Notes: Administrative TGG: 300 mg/m ³ 8 hour(s). TGG: 50 ppm 8 hour(s).
Germany	
dipropylene glycol methyl ether	MAK-Werte Liste (Germany, 2000). Notes: Spitzenbegrenzung: 310 mg/m ³ 15 minute(s). Spitzenbegrenzung: 50 ML/M3 15 minute(s). TWA: 310 mg/m ³ 8 hour(s). TWA: 50 ML/M3 8 hour(s). TRGS900 MAK (Germany, 2003). Notes: Spitzenbegrenzung: 310 mg/m ³ Spitzenbegrenzung: 50 ppm TWA: 310 mg/m ³ 8 hour(s). TWA: 50 ppm 8 hour(s).
Finland	
dipropylene glycol methyl ether	Työterveyslaitos (Finland, 2002). Skin Notes: TWA: 310 mg/m ³ 8 hour(s). TWA: 50 ppm 8 hour(s).
United Kingdom (UK)	
dipropylene glycol methyl ether	EH40-OES (United Kingdom (UK), 2002). Skin Notes: TWA: 308 mg/m ³ 8 hour(s). TWA: 50 ppm 8 hour(s).
Austria	
dipropylene glycol methyl ether	BMWA_MAK (Austria, 2003). Skin Notes: Spitzenbegrenzung: 614 mg/m ³ 8 times per shift, 5 minute(s). Spitzenbegrenzung: 100 ppm 8 times per shift, 5 minute(s). TWA: 307 mg/m ³ 8 hour(s). TWA: 50 ppm 8 hour(s).
Switzerland	
dipropylene glycol methyl ether	SUVA (Switzerland, 2003). Notes: Kurzezeitgrenzwerte: 300 mg/m ³ 15 minute(s). Kurzezeitgrenzwerte: 50 ppm 15 minute(s). MAK: 300 mg/m ³ 8 hour(s). MAK: 50 ppm 8 hour(s).
Belgium	
dipropylene glycol methyl ether	Lijst Grenswaarden / Valeurs Limites (Belgium, 2002). Skin Notes: VL: 308 mg/m ³ 8 hour(s). VL: 50 ppm 8 hour(s).
Spain	
dipropylene glycol methyl ether	INSHT (Spain, 2003). Skin Notes: TWA: 308 mg/m ³ 8 hour(s). TWA: 50 ppm 8 hour(s).
Turkey	

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dipropylene glycol methyl ether

NIOSH REL (United States, 2001). Skin Notes:

STEL: 900 mg/m³ 15 minute(s).

STEL: 150 ppm 15 minute(s).

TWA: 600 mg/m³ 10 hour(s).

TWA: 100 ppm 10 hour(s).

Czech Republic

dipropylene glycol methyl ether

178/2001 (Czech Republic, 2001). Skin Notes:

STEL: 550 mg/m³ 10 minute(s).

STEL: 90,75 ppm 10 minute(s).

TWA: 270 mg/m³ 8 hour(s).

TWA: 44,55 ppm 8 hour(s).

Exposure controls

Occupational exposure controls

: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.

Respiratory protection

: A respirator is not needed under normal and intended conditions of product use.

Hand protection

: Use latex gloves.

Eye protection

: Safety glasses.

Skin protection

: Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits).

Protection based on MAL

: **According to the regulations on work involving coded products, the following stipulations apply to the use of personal protective equipment:**

General: Gloves must be worn for all work that may result in soiling. Apron/overalls/protective clothing must be worn when soiling is so great that regular work clothes do not adequately protect skin against contact with the product. A face shield must be worn in work involving splattering if a full mask is not required. In this case, other recommended use of eye protection is not required.

In all spraying operations in which there is return spray, the following must be worn: respiratory protection and arm protectors/apron/overalls/protective clothing as appropriate or as instructed.

MAL-code: 0-3

Application: During downtimes, cleaning and repair in closed facilities, spray booths or cabins, if there is a risk of contact with wet paint or organic solvents. When using scraper or knife, brush, roller, etc, for pre- and post-treatments in cabins or booths of the existing* facility type, if the operator is inside the spray zone.

- Overalls must be worn.

When spraying in existing* spray booths, if the operator is outside the spray zone.

- Arm protectors and apron must be worn.

During non-atomising spraying in existing* facilities of the combined-cabin, spray-cabin and spray-booth type where the operator is working inside the spray zone.

- Gas filter mask must be worn.

During all spraying where atomisation occurs in cabins or spray booths where the operator is inside the spray zone; and during spraying outside a closed facility, cabin or booth.

- Air-supplied full mask, overalls and hood must be worn.

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Drying: Items for drying/drying ovens that are temporarily placed on such things as rack trolleys, etc, must be equipped with a mechanical exhaust system to prevent fumes from wet items from passing through workers' inhalation zone.

Polishing: When polishing treated surfaces, a mask with dust filter must be worn. When machine grinding, eye protection must be worn. Work gloves must always be worn.

Caution The regulations contain other stipulations in addition to the above.

*See Regulations.

Protection based on MAL for ready-for-use mixture : Not available.
 : Not available.
 : Not available.

9. Physical and chemical properties

General information

Appearance
Physical state : Liquid.
Colour : White.
Odour : Characteristic.

Important health, safety and environmental information

pH : 8.8 [Basic.]
Melting point : May start to solidify at 140 to 160°C (284 to 320°F) based on data for: Watery modified maleinresin.. Weighted average: 2.47°C (36.4°F)
Boiling point : The lowest known value is 100°C (212°F) (aqua). Weighted average: 102.64°C (216.8°F)
Flash point : Closed cup: Higher than 93.3°C (200°F).
Flammability (solid, gas) : Not applicable.
Explosive properties : Risks of explosion of the product in presence of mechanical impact: Not available.
 Risks of explosion of the product in presence of static discharge: Not available.

Explosion Limits : The greatest known range is LOWER: 1.1% UPPER: 14% (dipropylene glycol methyl ether)

Oxidising properties : Not available.

Relative density : 1.013 g/cm³

Solubility : Easily soluble in diethyl ether.
 Partially soluble in cold water, hot water, methanol, acetone.

Viscosity : Dynamic: The highest known value is 1034 cP (Watery modified maleinresin.) Weighted average: 549.79 cP

Evaporation rate (butyl acetate = 1) : The highest known value is 0.36 (aqua) Weighted average: 0.35 compared to Butyl acetate.

Other information

Auto-ignition temperature : The lowest known value is 207°C (404.6°F) (dipropylene glycol methyl ether).

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10. Stability and reactivity

- Stability** : The product is stable.
- Materials to avoid** : Reactive with OXIDISING AGENTS.
- Hazardous Decomposition Products** : These products are carbon oxides (CO, CQ), phosphates.

11. Toxicological information

Potential Acute Health Effects

- Inhalation** : No specific hazard.
- Ingestion** : No specific hazard.
- Skin Contact** : No specific hazard.
- Eye contact** : No specific hazard.

Acute toxicity

<u>Ingredient Name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
Watery modified maleinresin.	LD50	>2000 mg/kg	Oral	Rat
dipropylene glycol methyl ether	LD50	5130 mg/kg	Oral	Rat
	LD50	9500 mg/kg	Dermal	Rat
	LD50	>19000 mg/kg	Dermal	Rabbit

Over-exposure signs/symptoms

- Target Organs** : Contains material which causes damage to the following organs: upper respiratory tract, central nervous system (CNS), eye, lens or cornea.
- Other adverse effects** : Not available.

12. Ecological information

Ecotoxicity Data

<u>Ingredient Name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>
dipropylene glycol methyl ether	PIMEPHALES PROMELAS (LC50)	48 hour(s)	>10000 mg/l

Mobility : Not available.

Other adverse effects : Not available.

13. Disposal considerations

- Methods of disposal** : Avoid contact of spilled material and runoff with soil and surface waterways. Dispose of according to all federal, state and local applicable regulations.
- Waste Classification** : Not applicable.
- European Waste Catalogue (EWC)** : Not available.
- Hazardous Waste** : To present knowledge of the supplier, this product is not regarded as hazardous waste as defined by EU Directive 91/689/EC.

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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.	-	-	-		Remarks Keep in frostfree area
ADN Class	Not regulated.	-	-	-		Remarks Keep in frostfree area
IMDG Class	Not regulated.	-	-	-		Remarks Keep in frostfree area
IATA-DGR Class	Not regulated.	-	-	-		Remarks 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.
- 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** : Contains (phosphoric acid, tris(2-methylpropyl) ester). May produce an allergic reaction. Safety data sheet available for professional user on request.
- EC Statistical Classification (Tariff Code)** : 32089091

National regulations

Sweden

Denmark

- Risk Phrases** : Not classified.
- Safety Phrases** : S2- Keep out of the reach of children.
S46- If swallowed, seek medical advice immediately and show this container or label.
- Additional Warning Phrases** : Contains (phosphoric acid, tris(2-methylpropyl) ester). May produce an allergic reaction. Safety data sheet available for professional user on request.
- MAL-code** : 0-3
- Denmark – Restrictions on Use** : Not to be used by professional users below 18 years of age, see the National Working Environment Authorities Executive Order on young peoples dangerous work.
- Statutory Order 571 on Aerosols** : Not applicable.

Norway

- Risk Phrases** : Not classified.
- Safety Phrases** : S2- Keep out of the reach of children.
S46- If swallowed, seek medical advice immediately and show this container or label.
- Carcinogenic Class** : Not classified.

France

Netherlands

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Germany

Ordinance on Combustible Liquids : Class: Omitted
Technical instruction on air quality control : Class I: 0%
Hazard class for water : 3

Austria

Limitation of the Use of Organic Solvents : Permitted.

Switzerland

LRV Klasse (Ta-Luft) : Not available.
Poison Class : Not regulated
BAGT : Not applicable.
VOC Content : Liberated.

Italy

Restrictions on the use of Benzol and Similar materials : Not applicable.
Emissions Control Directive : 74,9141038% Not classified.

16. Other information

Full text of R phrases referred to in Sections 2 and 3 - Europe : R36/37- Irritating to eyes and respiratory system.
R36/37/38- Irritating to eyes, respiratory system and skin.

Full text of classifications referred to in Sections 2 and 3 - Europe : Xi - Irritant

Full text of R phrases referred to in Sections 2 and 3 - Sweden : R36/37- Irritating to eyes and respiratory system.
R36/37/38- Irritating to eyes, respiratory system and skin.

Full text of classifications referred to in Sections 2 and 3 - Sweden : Xi - Irritant

Full text of R phrases referred to in Sections 2 and 3 - Denmark : R36/37- Irritating to eyes and respiratory system.
R36/37/38- Irritating to eyes, respiratory system and skin.

Full text of classifications referred to in Sections 2 and 3 - Denmark : Xi - Irritant

Full text of R phrases referred to in Sections 2 and 3 - Norway : R36/37- Irritating to eyes and respiratory system.
R36/37/38- Irritating to eyes, respiratory system and skin.

Full text of classifications referred to in Sections 2 and 3 - Norway : Xi - Irritant

Full text of R phrases referred to in Sections 2 and 3 - France : R36/37- Irritating to eyes and respiratory system.
R36/37/38- Irritating to eyes, respiratory system and skin.

Full text of classifications referred to in Sections 2 and 3 - France : Xi - Irritant

Full text of R phrases referred to in Sections 2 and 3 - Netherlands : R36/37- Irritating to eyes and respiratory system.
R36/37/38- Irritating to eyes, respiratory system and skin.

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Full text of classifications referred to in Sections 2 and 3 - Netherlands	: Xi - Irritant
Full text of R phrases referred to in Sections 2 and 3 - Germany	: R36/37- Irritating to eyes and respiratory system. R36/37/38- Irritating to eyes, respiratory system and skin.
Full text of classifications referred to in Sections 2 and 3 - Germany	: Xi - Irritant
Full text of R phrases referred to in Sections 2 and 3 - Finland	: R36/37- Irritating to eyes and respiratory system. R36/37/38- Irritating to eyes, respiratory system and skin.
Full text of classifications referred to in Sections 2 and 3 - Finland	: Xi - Irritant
Full text of R phrases referred to in Sections 2 and 3 - United Kingdom (UK)	: R36/37- Irritating to eyes and respiratory system. R36/37/38- Irritating to eyes, respiratory system and skin.
Full text of classifications referred to in Sections 2 and 3 - United Kingdom (UK)	: Xi - Irritant
Full text of R phrases referred to in Sections 2 and 3 - Austria	: R36/37- Irritating to eyes and respiratory system. R36/37/38- Irritating to eyes, respiratory system and skin.
Full text of classifications referred to in Sections 2 and 3 - Austria	: Xi - Irritant
Full text of R phrases referred to in Sections 2 and 3 - Switzerland	: R36/37- Irritating to eyes and respiratory system. R36/37/38- Irritating to eyes, respiratory system and skin.
Full text of classifications referred to in Sections 2 and 3 - Switzerland	: Xi - Irritant
Full text of R phrases referred to in Sections 2 and 3 - Belgium	: R36/37- Irritating to eyes and respiratory system. R36/37/38- Irritating to eyes, respiratory system and skin.
Full text of classifications referred to in Sections 2 and 3 - Belgium	: Xi - Irritant
Full text of R phrases referred to in Sections 2 and 3 - Spain	: R36/37- Irritating to eyes and respiratory system. R36/37/38- Irritating to eyes, respiratory system and skin.
Full text of classifications referred to in Sections 2 and 3 - Spain	: Xi - Irritant
Full text of R phrases referred to in Sections 2 and 3 - Turkey	: R36/37- Irritating to eyes and respiratory system. R36/37/38- Irritating to eyes, respiratory system and skin.
Full text of classifications referred to in Sections 2 and 3 - Turkey	: Xi - Irritant
Full text of R phrases referred to in Sections 2 and 3 - Czech Republic	: R36/37- Irritating to eyes and respiratory system. R36/37/38- Irritating to eyes, respiratory system and skin.



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



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Full text of classifications : Xi - Irritant
referred to in Sections 2 and 3 -
Czech Republic

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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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