

# SAFETY DATA SHEET

## Marble impregnator

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

**Identification of the substance or preparation**

**Product name** : **Marble impregnator**  
**Product use** : Prevents intensive staining for marble, travertine, slate 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** : Netherlands  
**Emergency telephone number** : ----

### 2. Composition/information on ingredients

Substance/preparation : Preparation

Ingredient name	CAS number	EC Number	%	Classification
<b>Europe</b>				
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	265-185-4	30-100	R10 Xn; R65 R66, 67 N; R51/53
Naphta (petroleum) low boiling naphta unspecified	64742-95-6	265-199-0	0-1	R10 Xn; R65 Xi; R37 R66, 67 N; R51/53
1,2,4-Trimethylbenzene	95-63-6	202-436-9	0-1	R10 Xn; R20 Xi; R36/37/38 N; R51/53
Mesitylene	108-67-8	203-604-4	0-1	R10 Xi; R37 N; R51/53

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

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

## SAFETY DATA SHEET

### Marble impregnator

### 3. Hazards identification

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

<b>Classification</b>	: R10 Xn; R65 R66, 67 N; R51/53
<b>Physical/chemical hazards</b>	: Flammable.
<b>Human health hazards</b>	: Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.
<b>Environmental hazards</b>	: Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.
<b>Additional Hazards</b>	: Not applicable

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

### 4. First aid measures

First aid measures

<b>Inhalation</b>	: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.
<b>Ingestion</b>	: If swallowed, do NOT induce vomiting. Never give anything by mouth to an unconscious person. Aspiration hazard if swallowed- can enter lungs and cause damage. Obtain medical attention.
<b>Skin Contact</b>	: Wash with soap and water. Get medical attention if irritation develops.
<b>Eye contact</b>	: 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

<b>Extinguishing media</b>	: Use foam or all-purpose dry chemicals to extinguish. This material is toxic to aquatic organisms. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
<b>Special exposure hazards</b>	: Flammable liquid and vapour. Vapour may cause flash fire. Vapours may accumulate in low or confined areas, travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard. Not available.
<b>Hazardous thermal decomposition products</b>	: These products are carbon oxides (CO, CO <sub>2</sub> ).
<b>Special protective equipment for fire-fighters</b>	: Fire-fighters should wear self-contained positive pressure breathing apparatus (SCBA) and full turnout gear.

### 6. Accidental release measures

<b>Personal Precautions</b>	: Immediately contact emergency personnel. Eliminate all ignition sources. Keep unnecessary personnel away. Use suitable protective equipment (Section 8). Follow all fire fighting procedures (Section 5). Do not touch or walk through spilled material.
<b>Environmental precautions and clean-up methods</b>	: Minimize contact of spilled material with soils to prevent runoff to surface waterways. See Section 13 for Waste Disposal Information.

## SAFETY DATA SHEET

### Marble impregnator

If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) and use a non-sparking or explosion proof means to transfer material to a sealed, appropriate 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** : Aspiration hazard if swallowed- can enter lungs and cause damage. Do not ingest. If ingested do not induce vomiting. Keep container closed. Use only with adequate ventilation. Keep away from heat, sparks and flame. To avoid fire or explosion, dissipate static electricity during transfer by earthing and bonding containers and equipment before transferring material. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Avoid contact of spilled material and runoff with soil and surface waterways. Wash thoroughly after handling.
- Storage** : Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).
- Packaging materials Recommended** : Use original container.

## 8. Exposure controls/personal protection

<u>Ingredient name</u>	<u>Occupational exposure limits</u>
<u>United Kingdom (UK)</u> 1,2,4-Trimethylbenzene	<b>EH40-OES (United Kingdom (UK), 2002). Notes:</b> TWA: 125 mg/m <sup>3</sup> 8 hour(s). TWA: 25 ppm 8 hour(s).
Mesitylene	<b>EH40-OES (United Kingdom (UK), 2002). Notes:</b> TWA: 125 mg/m <sup>3</sup> 8 hour(s). TWA: 25 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** : Use appropriate respiratory protection if there is the potential to exceed the exposure limit(s).
- 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).

## 9. Physical and chemical properties

### General information

- Appearance**
- Physical state** : Liquid.
- Colour** : Colourless.
- Odour** : White Spirit

### Important health, safety and environmental information

- pH** : Not applicable.
- Melting point** : May start to solidify at <-20°C (-4°F) based on data for: Naphtha (petroleum), hydrodesulfurized heavy.
- Boiling point** : 177.5°C (351.5°F)

### Date of issue

31-3-2004.

Version

5.02

Page: 3/7

## SAFETY DATA SHEET

### Marble impregnator

<b>Flash point</b>	: Closed cup: 40°C (104°F).(Pensky-Martens.)
<b>Flammability (solid, gas)</b>	: Not applicable.
<b>Explosive properties</b>	: 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.
<b>Explosion Limits</b>	: The greatest known range is Lower: 0.6% Upper: 8% (Naphtha (petroleum), hydrodesulfurized heavy)
<b>Oxidising properties</b>	: Not applicable
<b>Relative density</b>	: 0.806 g/cm <sup>3</sup>
<b>Solubility</b>	: Partially soluble in diethyl ether. Insoluble in cold water, hot water.
<b>Viscosity</b>	: Dynamic: The highest known value is 1.28 cP (Naphtha (petroleum), hydrodesulfurized heavy)

#### Other information

**Auto-ignition temperature** : 210°C (410°F)

### 10. Stability and reactivity

<b>Stability</b>	: The product is stable.
<b>Hazardous Decomposition Products</b>	: These products are carbon oxides (CO, CO <sub>2</sub> ).

### 11. Toxicological information

#### Potential acute health effects

<b>Inhalation</b>	: Practically non-toxic by inhalation.
<b>Ingestion</b>	: Aspiration hazard if swallowed- can enter lungs and cause damage.
<b>Skin Contact</b>	: Slightly irritating to the skin.
<b>Eye contact</b>	: Irritating to eyes.

#### Acute toxicity

<u>Ingredient name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
Naphtha (petroleum), hydrodesulfurized heavy	LD50	>5000 mg/kg	Oral	Rat
Naphta (petroleum) low boiling	LD50	>3000 mg/kg	Dermal	Rabbit
naphta unspecified	LD50	8400 mg/kg	Oral	Rat
		>2150 mg/kg	Oral	quail

#### Potential chronic health effects

<u>Ingredient name</u>	<u>Carcinogenic effects</u>	<u>Mutagenic effects</u>	<u>Developmental toxicity</u>	<u>Impairs fertility</u>
Naphta (petroleum) low boiling	Carc. Cat. 2; R45			
naphta unspecified				

#### Over-exposure signs/symptoms

<b>Inhalation</b>	: Not known.
<b>Ingestion</b>	: Not known.
<b>Skin</b>	: Not known.
<b>Target organs</b>	: Not known.
<b>Other adverse effects</b>	: Not known.

## SAFETY DATA SHEET

### Marble impregnator

### 12. Ecological information

**Ecotoxicity data**

<u>Ingredient name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>
Naphtha (petroleum), hydrodesulfurized heavy	Trout (LC50)	96 hour(s)	41.4 mg/l
	Shrimp (IC50)	96 hour(s)	4.3 mg/l
1,2,4-Trimethylbenzene	Pimephales promelas (LC50)	96 hour(s)	7.72 mg/l
	Scenedesmus subspicatus (EC50)	48 hour(s)	25 mg/l
Mesitylene	Scenedesmus subspicatus (EC50)	48 hour(s)	53 mg/l

**Mobility** : Not known.

**Other adverse effects** : Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

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

### 14. Transport information

**International transport regulations**

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label	Additional Information
ADR/RID Class	3295	UN 3295, "dangerous goods in limited quantities of class 3", III, ADR (Naphtha (petroleum), hydrodesulfurized heavy, 1,2,4-Trimethylbenzene)	3	III		<p><b>Hazard identification number</b> 30</p> <p><b>Reportable quantity</b> 45</p> <p><b>Remarks</b> Limited quantity for upto 5 litre inner packing Else; UN 3295, HYDROCARBON LIQUID N.O.S., (White Spirit, mixture) class 3, III, ADR Keep in frostfree area</p>
ADN Class	3295	UN 3295, "dangerous goods in limited quantities of class 3", III, ADN (Naphtha (petroleum), hydrodesulfurized heavy, 1,2,4-Trimethylbenzene)	3	III		<p><b>RQ (Reportable quantity) ADN</b> 45</p> <p><b>Remarks</b> Limited quantity for upto 5 litre inner packing</p>

**Date of issue**

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**Version**

5.02

**Page:** 5/7

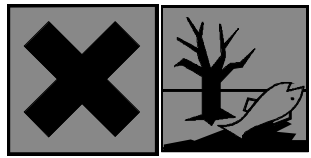
## SAFETY DATA SHEET

### Marble impregnator

						Else; UN 3295, HYDROCARBO LIQUID N.O.S., (White Spirit, mixture) class 3, III, ADNR Keep in frostfree area
<b>IMDG Class</b>	3295	"dangerous goods in limited quantities of class 3" UN 3295, PG III (Naphtha (petroleum), hydrodesulfurized heavy, 1,2,4-Trimethylbenzene). Marine pollutant (Naphtha (petroleum), hydrodesulfurized heavy)	3	III		<b>Emergency schedules (EmS)</b> 3-07  <b>Marine pollutant</b> Marine pollutant (P)  <b>Reportable quantity</b> 30  <b>Remarks</b> Limited quantity for upto 5 litre inner packing Else; HYDROCARBO LIQUID N.O.S., (White Spirit, 85%, mixture) class 3, UN 3295, PG III Keep in frostfree area
<b>IATA-DGR Class</b>	3295	"dangerous goods in limited quantities of class 3" UN 3295, PG III (Naphtha (petroleum), hydrodesulfurized heavy, 1,2,4-Trimethylbenzene)	3	III		<b>Remarks</b> Keep in frostfree area

## 15. Regulatory information

### EU Regulations

Hazard symbol(s) : 

Harmful, Dangerous for the environment

Risk phrases : R10- Flammable.  
R65- Harmful: may cause lung damage if swallowed.  
R66- Repeated exposure may cause skin dryness or cracking.  
R67- Vapours may cause drowsiness and dizziness.  
R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## SAFETY DATA SHEET

### Marble impregnator

- Safety Phrases** : S2- Keep out of the reach of children.  
S29- Do not empty into drains.  
S43- In case of fire, use Sand. Powder. CO2.  
S46- If swallowed, seek medical advice immediately and show this container or label.  
S62- If swallowed, do not induce vomiting: 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.

#### Other EU regulations

- Child protection** : Yes, applicable.  
**Tactile warning of danger** : Yes, applicable.  
**EC Statistical classification (Tariff Code)** : 32089091

### 16. Other information

- Full text of R phrases referred to in sections 2 and 3 - Europe** : R10- Flammable.  
R45- May cause cancer.  
R20- Harmful by inhalation.  
R65- Harmful: may cause lung damage if swallowed.  
R36/37/38- Irritating to eyes, respiratory system and skin.  
R37- Irritating to respiratory system.  
R66- Repeated exposure may cause skin dryness or cracking.  
R67- Vapours may cause drowsiness and dizziness.  
R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- Full text of classifications referred to in sections 2 and 3 - Europe** : Carc. Cat.2 - Carcinogen Category 2  
Xn - Harmful  
Xi - Irritant  
N - Dangerous for the environment.

#### History

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Verified by T. Rutgers.

#### Notice to reader

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Version 5.02

Page: 7/7