



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



SAFETY DATA SHEET

Natural stone colour intensifier for granite, blue stone and other natural stone types

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

Identification of the substance or preparation

Product name : Natural stone colour intensifier for granite, blue stone and other natural stone types
Product use : Is a professional product that deepens the colour of natural stone and completely revitalises it.

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
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Country : United Kingdom (UK)

2. Composition/information on ingredients

Substance/preparation : Preparation

Ingredient name	CAS number	EC Number	%	Classification
United Kingdom (UK) alkanes, c9-12-iso-	90622-57-4	292-459-0	30 - 100	Xn; R65 R66 R53
bicyclo[2.2.1]heptan-2-ol, 1,7,7-trimethyl-, acetate, exo-	125-12-2	204-727-6	1 - 5	Xi; R38

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; 65
66, 67
53

Human health hazards : Harmful: may cause lung damage if swallowed.
Repeated exposure may cause skin dryness or cracking.
Vapours may cause drowsiness and dizziness.

Environmental hazards : May cause long-term adverse effects in the aquatic environment.

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

Date of issue

15-11-2005.

Version

5.05

Page: 1/6

SAFETY DATA SHEET

Natural stone colour intensifier for granite, blue stone and other natural stone types

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** : 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.
- Skin Contact** : Wash with soap and water. Get medical attention if irritation develops.
- 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** : In case of fire, use water spray (fog), foam, dry chemical or CO₂ extinguisher or spray.
- Special exposure hazards** : Combustible 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.
- Hazardous thermal decomposition products** : These products are carbon oxides (CO, CO₂).
- 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** : Aspiration hazard if swallowed- can enter lungs and cause damage. Do not ingest. If ingested do not induce vomiting. Avoid contact of spilled material and runoff with soil and surface waterways. Wash thoroughly after handling.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area.
- Packaging materials** : Use original container.
- Recommended** : Use original container.
- Specific uses** : Not available.

Date of issue

15-11-2005.

Version

5.05

Page: 2/6

SAFETY DATA SHEET

Natural stone colour intensifier for granite, blue stone and other natural stone types

8. Exposure controls/personal protection

Exposure limit values :

<u>Ingredient name</u>	<u>Occupational exposure limits</u>
<u>United Kingdom (UK)</u>	

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 : Ventilation is normally required when handling or using this product. 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): polyvinyl alcohol (PVA)

Eye protection : splash goggles

Skin protection : Work uniform or laboratory coat.

9. Physical and chemical properties

General information

Appearance

Physical state : Liquid.

Colour : Clear Yellow or brown. (Light.)

Odour : Characteristic. (Slight.)

Important health, safety and environmental information

pH : Not applicable.

Melting point : May start to solidify at <-50°C (-58°F) based on data for: alkanes, c9-12-iso-.

Boiling point : The lowest known value is 173 to 193°C (343.4 to 379.4°F) (alkanes, c9-12-iso-).

Flash point : Closed cup: 62°C (143.6°F). (Pensky-Martens.)

Explosive properties : Not available.

Explosion Limits : Not applicable

Oxidising properties : Not applicable

Relative density : 0.823 g/cm³ (20°C / 68°F)

Solubility : Insoluble in cold water, hot water.

Viscosity : Dynamic: 1000 cP
Kinematic: 6 cSt

Other information

Auto-ignition temperature : The lowest known value is >200°C (392°F) (alkanes, c9-12-iso-).

Date of issue

15-11-2005.

Version

5.05

Page: 3/6

SAFETY DATA SHEET

Natural stone colour intensifier for granite, blue stone and other natural stone types

10. Stability and reactivity

- Stability** : The product is stable.
- Conditions to Avoid** : Stable under recommended storage and handling conditions (see section 7). Keep away from heat, sparks and flame.
- Materials to avoid** : Reactive with oxidising agents.
- Hazardous Decomposition Products** : These products are carbon oxides (CO, CO₂).

11. Toxicological information

Potential acute health effects

- Inhalation** : No known significant effects or critical hazards.
- Ingestion** : Aspiration hazard if swallowed- can enter lungs and cause damage.
- Skin Contact** : Slightly irritating to the skin.
- Eye contact** : No known significant effects or critical hazards.

Acute toxicity

<u>Ingredient name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
alkanes, c9-12-iso-	LD50	>10000 mg/kg	Oral	Rat
	LD50	>3200 mg/kg	Dermal	Rabbit
bicyclo[2.2.1]heptan-2-ol, 1,7,7-trimethyl-, acetate, exo-	LD50	>3000 mg/kg	Dermal	Rabbit
	LD50	9050 mg/kg	Oral	Rat
	LD50	3100 mg/kg	Oral	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>
alkanes, c9-12-iso-	Fish (LC50)	96 hour(s)	>100 mg/l

May cause long-term adverse effects in the aquatic environment.

Other adverse effects

Date of issue

15-11-2005.

Version

5.05

Page: 4/6

SAFETY DATA SHEET





Natural stone colour intensifier for granite, blue stone and other natural stone types

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


14. Transport information

International transport regulations

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label	Additional Information
ADR/RID Class	3295	UN, "dangerous goods in limited quantities of class 3, III, ADR Mixture	3	III		Hazard identification number 30 Limited quantity LQ7
ADN Class	3295	UN, "dangerous goods in limited quantities of class 3, III, ANDR mixture	3	III		-
IMDG Class	3295	"dangerous goods in limited quantities of class 3" UN 3295, PG III, mixture. Marine pollutant (alkanes, c9-12-iso-)	3	III		Emergency schedules (EmS) F-E, S-D Marine pollutant Marine pollutant (P)
IATA-DGR Class	3295	"dangerous goods in limited quantities of class 3" UN 3295, PG III, mixture	3	-		-

15. Regulatory information

EU Regulations

Hazard symbol(s) : 
Harmful

Risk Phrases : R65- Harmful: may cause lung damage if swallowed.
R66- Repeated exposure may cause skin dryness or cracking.
R67- Vapours may cause drowsiness and dizziness.
R53- May cause long-term adverse effects in the aquatic environment.

SAFETY DATA SHEET

Natural stone colour intensifier for granite, blue stone and other natural stone types

Safety Phrases	: S2- Keep out of the reach of children. S24- Avoid contact with skin. S29/56- Do not empty into drains, dispose of this material and its container to hazardous or special waste collection point. S37- Wear suitable gloves. S62- If swallowed, do not induce vomiting: 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.
Other EU regulations	
Child protection	: Yes, applicable.
Tactile warning of danger	: Yes, applicable.
EC Statistical classification (Tariff Code)	: 32089091
Ingredients identification information	: 30% and more: aliphatic hydrocarbons;perfumes

16. Other information

Full text of R phrases referred to in sections 2 and 3 - United Kingdom (UK) : R65- Harmful: may cause lung damage if swallowed.
R38- Irritating to skin.
R66- Repeated exposure may cause skin dryness or cracking.
R67- Vapours may cause drowsiness and dizziness.
R53- May cause long-term adverse effects in the aquatic environment.

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

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Verified by T. Rutgers.

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