



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



SAFETY DATA SHEET

Headstone cleaning spray

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

Identification of the substance or preparation

Product name : Headstone cleaning spray
Product use : Removes thoroughly and effortlessly dirt, bird droppings and other heavy soiling from natural stone and marble headstones and statues.

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) sodium hypochlorite	7681-52-9	231-668-3	1 - 5	C; 34 31
Sodium hydroxide	1310-73-2	215-185-5	1 - 5	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 : Xi; R36/38

Human health hazards : Irritating to eyes and skin.

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.

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- Skin Contact** : In case of contact, immediately flush skin copiously with water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Obtain medical attention immediately.
- 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** : Avoid contact with eyes, skin and clothing. 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

<u>Ingredient name</u>	<u>Occupational exposure limits</u>
<u>United Kingdom (UK)</u> Sodium hydroxide	EH40-WEL (United Kingdom (UK), 1/2005). STEL: 2 mg/m ³ 15 minute(s). Form: All forms

- Exposure controls**
- Occupational exposure controls** : Ventilation is normally required when handling or using this product.
- Respiratory protection** : Wear appropriate respirator when ventilation is inadequate. Ventilation is normally required when handling or using this product.

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- 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
- Eye protection** : splash goggles
- Skin protection** : Work uniform or laboratory coat.

9. Physical and chemical properties

General information

- Appearance**
- Physical state** : Liquid.
- Colour** : Yellow. (Light.)
- Odour** : Chlorine

Important health, safety and environmental information

- pH** : 13 to 13.5 (Conc. (% w/w): 100) [Basic.]
- Melting point** : May start to solidify at 0°C (32°F) based on data for: Water.
- Boiling point** : The lowest known value is 100°C (212°F) (Water).
- Flash point** : Not applicable.
- Explosive properties** : Not available.
- Oxidising properties** : Not applicable.
- Relative density** : 1.089 g/cm³ (20°C / 68°F)
- Solubility** : Easily soluble in hot water.
Soluble in cold water.

Other information

10. Stability and reactivity

- Stability** : Unstable.
- Conditions to Avoid** : Contact with acids liberates toxic gas.
- Materials to avoid** : Reactive with acids.

11. Toxicological information

Potential acute health effects

- Inhalation** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.
- Skin Contact** : Irritating to skin.
- Eye contact** : Severely irritating to eyes.

Acute toxicity

<u>Ingredient name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
sodium hypochlorite	LD50	5800 mg/kg	Oral	Mouse
Sodium hydroxide	LD50	1350 mg/kg	Dermal	Rabbit
	LDLo	500 mg/kg	Oral	Rabbit

- Carcinogenicity** : No known significant effects or critical hazards.

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- 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.
- Target organs** : Contains material which causes damage to the following organs: lungs, upper respiratory tract, skin, 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>
sodium hypochlorite	Daphnia magna (EC50)	48 hour(s)	0.04 mg/l
	Daphnia magna (EC50)	48 hour(s)	0.17 mg/l
	Daphnia magna (EC50)	48 hour(s)	1.57 mg/l
	Oncorhynchus mykiss (LC50)	96 hour(s)	0.059 mg/l
	Oncorhynchus mykiss (LC50)	96 hour(s)	0.09 mg/l
	Oncorhynchus mykiss (LC50)	96 hour(s)	0.2 mg/l
Sodium hydroxide	Fish (LC50)	96 hour(s)	72 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.
: Not available.
- Hazardous waste** : The classification of the product may meet the criteria for a hazardous waste

14. Transport information

International transport regulations

<u>Regulatory information</u>	<u>UN number</u>	<u>Proper shipping name</u>	<u>Class</u>	<u>Packing group</u>	<u>Label</u>	<u>Additional Information</u>
ADR/RID Class	1760	UN 1760, "dangerous goods in limited quantities of class 8", III, ADR (sodium hypochlorite)	8	III		Hazard identification number 80 Reportable quantity 12
ADN Class	1760	UN 1760, "dangerous goods in limited quantities of class 8", III, ADNR (sodium hypochlorite)	8	III		RQ (Reportable quantity) ADN 12

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IMDG Class	1760	"dangerous goods in limited quantities of class 8" UN 1760, PG III (sodium hypochlorite)	8	III		Emergency schedules (EmS) F-A, S-B Reportable quantity 30
IATA-DGR Class	1760	"dangerous goods in limited quantities of class 8" UN 1760, PG III (sodium hypochlorite)	8	III		-

15. Regulatory information

EU Regulations

Hazard symbol(s) :



Irritant

Risk Phrases :

R36/38- Irritating to eyes and skin.

Safety Phrases :

S2- Keep out of the reach of children.

S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37- Wear suitable gloves.

S46- If swallowed, seek medical advice immediately and show this container or label.

S50- Do not mix with acids.

S64- If swallowed, rinse mouth with water (only if the person is conscious).

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 :

Caution ! Do not use in combination with other products, hazardous gasses (chlorine) could be released.

EC Statistical classification (Tariff Code) :

32089091

Ingredients identification information :

less than 5%: chlorine-based bleaching agents, anionic surfactants.

16. Other information

Full text of R phrases referred to in sections 2 and 3 - United Kingdom (UK) :

R34- Causes burns.

R35- Causes severe burns.

R36/38- Irritating to eyes and skin.

R31- Contact with acids liberates toxic gas.

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

C - Corrosive

Xi - Irritant

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Verified by T. Rutgers.

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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