



Material Safety Data Sheet




Marble cement & lime film remover

Section 1. Chemical product and company identification

Manufacturer : HG International b.v. **Code** : 2161006
Address : Damsluisweg 70 1332 EJ Almere **MSDS#** : 2.01
Country : Netherlands **Validation date** : 15-10-2007.
Telephone No.: : +31 (0)36 54 94 700 **Print date** : 15-10-2007.
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Internet: : www.hginternational.com **Telephone No.:** : +1.705.726.5445
Supplier : Solstrand Trading **Fax** : +1.705.734.0857
Address : 60 Lockhart road Barrie, Ontario L4N 9G8 **Country** : Canada

Material uses : Removes cement and lime scale residues from marble and other types of calcareous natural stone such as e.g. travertine, granite, terrazzo etc..

 **In Case of Emergency** : **Chem. Tel Inc. (813) 248 0585 or Toll free (800) 255 3924**

Section 2. Composition, Information on Ingredients

Name	CAS #	% by weight	Exposure limits
water	7732-18-5	75-100	Not available.
phosphonic acid, [[[(phosphonomethyl)imino]bis[2,1-ethanediylnitrilobis(methylene)]]tetrakis-, sodium salt	22042-96-2	1-5	Not available.
alcohols, c11-14-iso-, c13-rich, ethoxylated	78330-21-9	1 - 5	Not available.

Section 3. Hazards identification

Physical State and Appearance : Liquid.

Emergency overview : No specific hazard.
No specific hazard.
Do not ingest. Wash thoroughly after handling.

Routes of entry : Dermal contact. Eye contact. Ingestion.

Potential acute health effects

Eyes : May cause eye irritation.
Skin : Can cause irritation.
Inhalation : Can cause irritation.
Ingestion : Can cause irritation.

Potential chronic health effects : **CARCINOGENIC EFFECTS:** Not available.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.

Medical conditions aggravated by overexposure: : Repeated or prolonged exposure is not known to aggravate medical condition.

Over-exposure signs/symptoms : Not available.

[See toxicological Information \(section 11\)](#)

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Section 4. First aid measures

- Eye Contact** : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.
- Skin Contact** : In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
- Inhalation** : If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get 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.
- Notes to Physician** : Not available.

Section 5. Fire fighting measures

- Flammability of the product** : Non-flammable.
- Auto-ignition Temperature** : Not applicable.
- Flash Points** : Not applicable.
- Flammable limits** : Not applicable.
- Products of combustion** : carbon oxides (CO, CO₂)
- Fire hazards in presence of various substances** : Not applicable.
- Explosion hazards in presence of various substances** : Not available.
- Fire fighting media and instructions** : Use an extinguishing agent suitable for surrounding fires.
Protective Clothing Wear appropriate respirator when ventilation is inadequate.
No specific hazard.
- Special protective equipment for fire-fighters** : Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full facepiece operated in positive pressure mode.
- Special remarks on fire hazards** : No additional remark.
- Special remarks on explosion hazards** : No additional remark.

Section 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.

Section 7. Handling and storage

- Handling** : Do not ingest. Wash thoroughly after handling. Keep out of the reach of children. Avoid prolonged contact with eyes, skin, and clothing.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8. Exposure Controls, Personal Protection

- Engineering controls** : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.
- Personal protection**
- Eyes** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

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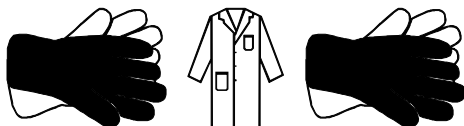
Skin : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Hands : 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.

Other protection : Boots.

Personal protective equipment (Pictograms) :



Personal protection in case of a large spill : Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

[Consult local authorities for acceptable exposure limits.](#)

Section 9. Physical and chemical properties

Physical State and Appearance	: Liquid.
Color	: Clear Colorless.
Odor	: Characteristic.
pH	: 9 (Conc. (% w/w): 100) [Basic.]
Relative density	: 1.006 g/cm ³ (20°C / 68°F)
Viscosity	: Dynamic: Highest known value: 157 cP (alcohols, c11-14-iso-, c13-rich, ethoxylated)
Solubility	: Easily soluble in the following materials: cold water, hot water.
Flash point	: Not applicable.
Explosive properties	: Not available.
Oxidizing properties	: Not applicable.
Physical chemical comments	: Not available.

Section 10. Stability and reactivity

Stability and Reactivity	: The product is stable.
Conditions of instability	: Stable under recommended storage and handling conditions (see section 7).
Incompatibility with various substances	: Slightly reactive to reactive with acids.
Hazardous Decomposition Products	: Not available.
Hazardous polymerization	: Will not occur.

Section 11. Toxicological information

alcohols, c11-14-iso-, c13-rich, ethoxylated	LD50	200 to 2000 mg/kg Oral	Rat
Chronic effects on humans	: Not available.		
Other toxic effects on humans	: Not considered to be dangerous for humans according to our database.		
Special remarks on toxicity to animals	: Very low toxicity for humans or animals. (alcohols, c11-14-iso-, c13-rich, ethoxylated)		
Special remarks on chronic effects on humans	: Not available.		
Special remarks on other toxic effects on humans	: Not available.		

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Specific effects

- Carcinogenic effects** : No known significant effects or critical hazards.
Mutagenic effects : No known significant effects or critical hazards.
Reproduction toxicity : No known significant effects or critical hazards.

Section 12. Ecological information

alcohols, c11-14-iso-, c13-rich, ethoxylated	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

- BOD and COD** : Not available.
Biodegradable/OECD : Partially biodegradable
Mobility : Not available.
Products of degradation : Decomposition products may include the following materials: carbon oxides (CO, CO₂) and water, nitrogen oxides (NO, NO₂...), phosphates. Some metallic oxides.
Toxicity of the products of biodegradation : The products of degradation are less toxic than the product itself.
Special remarks on the products of biodegradation : No additional remark.

Section 13. Disposal considerations

- Waste information** : 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 stream : Not available.

Consult your local or regional authorities.

Section 14. Transport information

Regulatory Information	UN number	Proper shipping name	Class	Packing group	Label	Additional information
DOT Classification	Not regulated.	-	-	-		-
TDG Classification	Not regulated.	-	-	-		-
ADR/RID Class	Not regulated.	-	-	-		-
IMDG Class	Not regulated.	-	-	-		-
IATA-DGR Class	Not regulated.	-	-	-		-

Section 15. Regulatory information

- WHMIS (Canada)** : Not controlled under WHMIS (Canada).
 No products were found.

International regulations

- EINECS** : Not available.
DSCL (EEC) : This product is not classified according to the EU regulations.
International lists :

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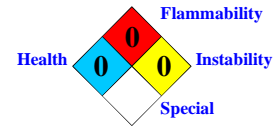
Section 16. Other information

Label Requirements : No specific hazard.

**Hazardous Material
Information System
(U.S.A.)**

Health	0
Fire hazard	0
Reactivity	0
Personal protection	C

**National Fire
Protection
Association
(U.S.A.)**



References : Not available.

Other special considerations : Not available.

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Version : 2.01

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.