



Material Safety Data Sheet



Marble & stone bathroom cleaner

Section 1. Chemical product and company identification

Manufacturer : HG International b.v. **Code** : 2230500
Address : Damsluisweg 70 1332 EJ Almere **MSDS#** : 1.02
Country : Netherlands **Validation date** : 11-9-2007.
Telephone No.: : +31 (0)36 54 94 700 **Print date** : 11-9-2007.
Fax : +31 (0)36 54 94 744 **Responsible name** : P. Stienstra
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 stubborn dirt, such as soap residues, body fats and light lime scale from marble, travertine and other calcareous natural stone.

 **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
poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, c12-14-alkyl ethers, sodium salts	68891-38-3	5 - 15	Not available.
amides, c12-18, n,n-bis(hydroxyethyl)	68155-06-6	1 - 5	Not available.
alcohols, c11-14-iso-, c13-rich, ethoxylated	78330-21-9	0-1	Not available.
phosphonic acid, [[(phosphonomethyl)imino]bis[2,1-ethanediyl]nitrolobis(methylene)]]tetrakis-, sodium salt	22042-96-2	0-1	Not available.
		0-1	Not available.
Perfume ingredient.		0-1	Not available.
Styrene	100-42-5	0-0.1	Not available.
citric acid, monohydrate	5949-29-1	0-0.05	Not available.

Section 3. Hazards identification

Physical State and Appearance : Liquid. (Visceus)

Emergency overview : No specific hazard.
NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.
No known significant effects or critical hazards. Avoid prolonged contact with eyes, skin and clothing.

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

Potential acute health effects

Eyes : No known significant effects or critical hazards.
Skin : No known significant effects or critical hazards.
Inhalation : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.

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

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

Over-exposure signs/symptoms : May cause eye irritation.
May cause skin irritation.

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

Section 4. First aid measures

- Eye Contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
- Skin Contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Inhalation** : Move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention if symptoms occur. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Ingestion** : Wash out mouth with water. Remove dentures if any. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if symptoms occur. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Notes to Physician** : Not available.

Section 5. Fire fighting measures

- Flammability of the product** : Not applicable.
- Auto-ignition Temperature** : Not available.
- Flash Points** : Lowest known value: Closed cup: 193 to 195°C (379.4 to 383°F). (Pensky-Martens.). (amides, coco, n,n-bis(hydroxyethyl))
- Flammable limits** : Not applicable.
- Products of combustion** : Decomposition products may include the following materials: carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂...)
- Fire hazards in presence of various substances** : Not considered to be flammable according to our database.
- Explosion hazards in presence of various substances** : Not available.
- Fire fighting media and instructions** : Use an extinguishing agent suitable for the surrounding fire.
Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
In a fire or if heated, a pressure increase will occur and the container may burst.
- 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.
- Special remarks on fire hazards** : No additional remark.
- Special remarks on explosion hazards** : No additional remark.

Section 6. Accidental release measures

- Personal precautions** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Methods for cleaning up** : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

Section 7. Handling and storage

- Handling** : Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Storage** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure Controls, Personal Protection

- Engineering controls** : No special ventilation requirements. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal protection

- Eyes** : Recommended: safety glasses with side shields
- Skin** : Recommended: Work uniform or laboratory coat.
- Respiratory** : Recommended: A respirator is not needed under normal and intended conditions of product use.
- Hands** : >8 hours (breakthrough time): Butyl rubber gloves.
- Other protection** : Not available.

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.

Product Name	Exposure limits
alcohols, c11-14-iso-, c13-rich, ethoxylated	Not available.
poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, c12-14-alkyl ethers, sodium salts	Not available.
phosphonic acid, [[[phosphonomethyl)imino]bis[2,1-ethanediyl]nitriobis(methylene)]]tetrakis-, sodium salt	Not available.
Perfume ingredient.	Not available.
amides, c12-18, n,n-bis(hydroxyethyl)	Not available.
Styrene	Not available.
citric acid, monohydrate	Not available.

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

Section 9. Physical and chemical properties

Physical State and Appearance	: Liquid. (Visceus)
Color	: White.
Odor	: Perfumed
pH	: 9.5 (Conc. (% w/w): 100) [Basic.]
Relative density	: 1.014 g/cm ³ (20°C / 68°F)
Viscosity	: Dynamic: Highest known value: 1400 cP (amides, coco, n,n-bis(hydroxyethyl))
Solubility	: Easily soluble in the following materials: cold water, hot water.
Flash point	: Lowest known value: Closed cup: 193 to 195°C (379.4 to 383°F). (Pensky-Martens.). (amides, coco, n,n-bis(hydroxyethyl))
Flammability (solid, gas)	: 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	: carbon oxides (CO, CO ₂) nitrogen oxides (NO, NO ₂ ...)
Hazardous polymerization	: Will not occur.

Section 11. Toxicological information

amides, c12-18, n,n-bis(hydroxyethyl)	LD50	>5000 mg/kg	Oral	Body
alcohols, c11-14-iso-, c13-rich, ethoxylated	LD50	200 to 2000 mg/kg	Oral	Rat
citric acid, monohydrate	LD50	>6730 mg/kg	Oral	Rat
	LD50	>5400 mg/kg	Oral	Mouse
	LD50	>7000 mg/kg	Oral	Rabbit
	LD50	11700 mg/kg	Dermal	Rat
	LD50	2650 mg/kg	Oral	Rat
Styrene	LD50	316 mg/kg	Oral	Mouse
	LD50	>1500 mg/kg	Oral	Mammal
	LC50	2770 (4 hour(s))	Inhalation	Rat
	LD50	755 mg/kg	Oral	Rat
Chronic effects on humans	: Not available.			
Other toxic effects on humans	: May cause eye irritation.			
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	: No additional remark.			
Special remarks on other toxic effects on humans	: No additional remark.			
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.			

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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
citric acid, monohydrate	DAPHNIA MAGNA (LC50)	48 hour(s)	80 mg/l
	Algae (LC50)	48 hour(s)	80 to 640 mg/l
	Goldfish (LC50)	48 hour(s)	625 mg/l
Styrene	Selenastrum capricornutum (EC50)	48 hour(s)	0.56 mg/l
	Daphnia magna (EC50)	48 hour(s)	4.7 mg/l
	Pimephales promelas (LC50)	96 hour(s)	4.02 mg/l
	Pimephales promelas (LC50)	96 hour(s)	10 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	25.05 mg/l
	Pimephales promelas (LC50)	96 hour(s)	29 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...) Only a few inorganic compounds are not biodegradable.

Toxicity of the products of biodegradation : The product itself and its products of degradation are not toxic.

Special remarks on the products of biodegradation : No additional remark.

Section 13. Disposal considerations

Waste information : The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. 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. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

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.	-	-	Not available.		Not available.
TDG Classification	Not regulated.	-	-	Not available.		Not available.
ADR/RID Class	Not regulated.	-	-	-		-
IMDG Class	Not regulated.	-	-	-		-
IATA-DGR Class	Not regulated.	-	-	-		-

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Section 15. Regulatory information

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

International regulations

EINECS : Not available.

DSCL (EEC) : R41- Risk of serious damage to eyes.

International lists : Not available.

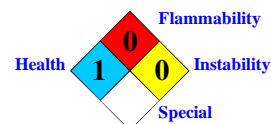
Section 16. Other information

Label Requirements : NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.

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

Health	1
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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Notice to reader

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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.