



Material Safety Data Sheet



Marble neutral cleaner

Section 1. Chemical product and company identification

Manufacturer : HG International b.v. **Code** : 2221000
Address : Damsluisweg 70 1332 EJ Almere **MSDS#** : 1.01
Country : Netherlands **Validation date** : 16-7-2007.
Telephone No.: : +31 (0)36 54 94 700 **Print date** : 16-7-2007.
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 : For deep daily cleaning for marble, terazzo and limestone floors.

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
Ethanol	64-17-5	1 - 5	
poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched	69011-36-5	1 - 5	
Methanol	67-56-1	0 - 1	

Section 3. Hazards identification

Physical State and Appearance : Liquid.

Emergency overview : Warning!
MAY BE HARMFUL IF SWALLOWED.
May cause skin irritation.
May cause eye irritation.
COMBUSTIBLE LIQUID AND VAPOR.
VAPOR MAY CAUSE FIRE.
Do not ingest. Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

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

Potential acute health effects

Eyes : May cause eye irritation.
Skin : May cause skin sensitization.
Inhalation : Prolonged breathing can cause drowsines and even unconsciousness.
Ingestion : Harmful if swallowed.

Potential chronic health effects : **CARCINOGENIC EFFECTS:** Classified A4 (Not classifiable for human or animal.) by ACGIH [Ethanol].
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.

Medical conditions aggravated by overexposure: : Not available.

Over-exposure signs/symptoms : Vapors may cause drowsiness and dizziness.

[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** : Combustible.
- Auto-ignition Temperature** : Lowest known value: >200°C (392°F) (alcohols, c12-18, ethoxylated propoxylated).
- Flash Points** : Closed cup: Between 61°C (142°F) and 93.3°C (200°F).
- Flammable limits** : Greatest known range: Lower: 3.4% Upper: 19% (Ethanol)
- Products of combustion** : Decomposition products may include the following materials: carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂...), phosphates. Some metallic oxides.
- Fire hazards in presence of various substances** : Not available.
- Explosion hazards in presence of various substances** : Not available.
- Fire fighting media and instructions** : In case of fire, use water spray (fog), foam, dry chemicals, or CO₂.
Protective Clothing Wear appropriate respirator when ventilation is inadequate.
Combustible liquid and vapor. Vapor may cause flash fire. Vapors may accumulate in low or confined areas, travel considerable distance to source of ignition and flash back. Runoff to sewer may create fire or explosion 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. Eliminate all ignition sources. Keep unnecessary personnel away. Use suitable protective equipment (Section 8). Do not touch or walk through spilled material.
- 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) 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.

Section 7. Handling and storage

- Handling** : Do not ingest. 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 grounding and bonding containers and equipment before transferring material. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Wash thoroughly after handling. If swallowed, seek medical advice immediately and show this container or label. Keep out of the reach of children.
- 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).

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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 : splash goggles

Skin : lab coat

Respiratory : A respirator is not needed under normal and intended conditions of product use. Wear appropriate respirator when ventilation is inadequate.

Hands : 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

Ethanol

Exposure limits

ACGIH (United States, 2000).

TWA: 1000 mg/m³

ACGIH TLV (United States, 5/2004). Notes: 1996 Adoption Refers to Appendix A -- Carcinogens.

TWA: 1880 mg/m³ 8 hour(s). Form: All forms

TWA: 1000 ppm 8 hour(s). Form: All forms

Methanol

ACGIH TLV (United States, 9/2004). Skin Notes: Identifies substances identified in the BEI documentation for Methemoglobin inducers (for which methemoglobin is the principle toxicity) and organophosphorous cholinesterase inhibitors are part of this notation.

STEL: 328 mg/m³ 15 minute(s). Form: All forms

STEL: 250 ppm 15 minute(s). Form: All forms

TWA: 262 mg/m³ 8 hour(s). Form: All forms

TWA: 200 ppm 8 hour(s). Form: All forms

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

Section 9. Physical and chemical properties

Physical State and Appearance : Liquid.

Color : Clear Colorless.

Odor : Perfume

pH : 9 (Conc. (% w/w): 100) [Basic.]

Relative density : 1.001 g/cm³ (20°C / 68°F)

Viscosity : Dynamic: Highest known value: 157 cP (alcohols, c11-14-iso-, c13-rich, ethoxylated) Weighted average: 145.42 cP

Solubility : Easily soluble in the following materials: cold water, hot water.

Flash point : Closed cup: Between 61°C (142°F) and 93.3°C (200°F).

Explosive properties : Not available.

Explosion Limits : Greatest known range: Lower: 3.4% Upper: 19% (Ethanol)

Oxidizing properties : Not available.

Physical chemical comments : Not available.

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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 applicable
- Hazardous polymerization** : Will not occur.

Section 11. Toxicological information

- Chronic effects on humans** : **CARCINOGENIC EFFECTS:** Classified A4 (Not classifiable for human or animal.) by ACGIH [Ethanol]. Contains material which causes damage to the following organs: blood, the reproductive system, liver, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea.
- Other toxic effects on humans** : Non-irritant for skin. Non-irritating to the eyes.
- Special remarks on toxicity to animals** : Very low toxicity for humans or animals.
- 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.

Section 12. Ecological information

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|---|-------------------------------|------------|--------------|
| Ethanol | Daphnia magna (EC50) | 48 hour(s) | 2 mg/l |
| | Daphnia magna (EC50) | 48 hour(s) | 9.3 mg/l |
| | Daphnia magna (EC50) | 48 hour(s) | >100 mg/l |
| | Pimephales promelas (LC50) | 96 hour(s) | >100 mg/l |
| | Daphnia magna (LC50) | 96 hour(s) | >100 mg/l |
| | Oncorhynchus mykiss (LC50) | 96 hour(s) | 13000 mg/l |
| poly(oxy-1,2-ethanediyl), .alpha.-tridecyl-.omega.-hydroxy-, branched | 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 |
| Methanol | Daphnia magna (EC50) | 48 hour(s) | >10000 mg/l |
| | Oncorhynchus mykiss (EC50) | 48 hour(s) | 13200 mg/l |
| | Lepomis macrochirus (EC50) | 48 hour(s) | 16000 mg/l |
| | Pimephales promelas (LC50) | 96 hour(s) | >100 mg/l |
| | Daphnia magna (LC50) | 96 hour(s) | >100 mg/l |
| | Lepomis macrochirus (LC50) | 96 hour(s) | 15400 mg/l |
- BOD and COD** : Not available.
- Biodegradable/OECD** : 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.

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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).
CEPA Toxic substances: None of the components are listed.
Canadian ARET: None of the components are listed.
Canadian NPRI: None of the components are listed.
Alberta Designated Substances: None of the components are listed.
Ontario Designated Substances: None of the components are listed.
Quebec Designated Substances: None of the components are listed.

International regulations

EINECS : Not available.

DSCL (EEC) : This product is not classified according to the EU regulations.

International lists : Australia (NICNAS): Ethanol; Methanol; coumarin; octanal, 2-(phenylmethylene)-; cyclopenta[g]-2-benzopyran, 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethyl-; melaleuca alternifolia, ext.; litsea cubeba, ext.; Water; phosphonic acid, [[[phosphonomethyl]imino]bis[2,1-ethanediylnitrilobis(methylene)]]tetrakis-, sodium salt; alcohols, c11-14-iso-, c13-rich, ethoxylated; alcohols, c12-18, ethoxylated propoxylated

China: Ethanol; Methanol; coumarin; octanal, 2-(phenylmethylene)-; cyclopenta[g]-2-benzopyran, 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethyl-; litsea cubeba, ext.; Water; phosphonic acid, [[[phosphonomethyl]imino]bis[2,1-ethanediylnitrilobis(methylene)]]tetrakis-, sodium salt; alcohols, c11-14-iso-, c13-rich, ethoxylated; alcohols, c12-18, ethoxylated propoxylated

Germany water class: Ethanol; Methanol; coumarin; octanal, 2-(phenylmethylene)-; cyclopenta[g]-2-benzopyran, 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethyl-; melaleuca alternifolia, ext.; litsea cubeba, ext.; phosphonic acid, [[[phosphonomethyl]imino]bis[2,1-ethanediylnitrilobis(methylene)]]tetrakis-, sodium salt; alcohols, c12-18, ethoxylated propoxylated

Japan (MITI): Ethanol; Methanol; coumarin; octanal, 2-(phenylmethylene)-; cyclopenta[g]-2-benzopyran, 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethyl-; Water; alcohols, c12-18, ethoxylated propoxylated

Korea (TCCL): Ethanol; Methanol; coumarin; octanal, 2-(phenylmethylene)-; cyclopenta[g]-2-benzopyran, 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethyl-; Water; phosphonic acid, [[[phosphonomethyl]imino]bis[2,1-ethanediylnitrilobis(methylene)]]tetrakis-, sodium salt; alcohols, c11-14-iso-, c13-rich, ethoxylated; alcohols, c12-18, ethoxylated propoxylated

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Philippines (RA6969): Ethanol; Methanol; coumarin; octanal, 2-(phenylmethylene)-; cyclopenta[g]-2-benzopyran, 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethyl-; melaleuca alternifolia, ext.; litsea cubeba, ext.; Water; phosphonic acid, [[[phosphonomethyl]imino]bis[2,1-ethanediyl]nitrolobis(methylene)]]tetrakis-, sodium salt; alcohols, c11-14-iso-, c13-rich, ethoxylated; alcohols, c12-18, ethoxylated propoxylated

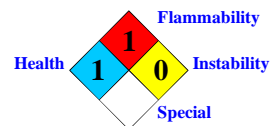
Section 16. Other information

Label Requirements : MAY BE HARMFUL IF SWALLOWED.
May cause skin irritation.
May cause eye irritation.
COMBUSTIBLE LIQUID AND VAPOR.
VAPOR MAY CAUSE FIRE.

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

Health	*	1
Fire hazard		1
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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