



Material Safety Data Sheet



Marble polish

Section 1. Chemical product and company identification

Manufacturer : HG International b.v. **Code** : 330025164
Address : Damsluisweg 70 1332 EJ Almere **MSDS#** : 1.02
Country : Netherlands **Validation date** : 9-5-2011.
Telephone No.: : +31 (0)36 54 94 700 **Print date** : 9-5-2011.
Fax : +31 (0)36 54 94 744 **Responsible name** : P. Stienstra
Internet: : www.hg.eu **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 : Consumer product.
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	15 - 100	Not available.
Waterbased paraffindispersion		5 - 15	Not available.
alcohols, c9-11, ethoxylated	68439-46-3	1 - 5	Not available.
ethanol, 2-(2-ethoxyethoxy)-	111-90-0	0 - 1	Not available.
Ethenediol	107-21-1	0 - 1	Not available.
Tributoxyethyl phosphate	78-51-3	0 - 1	Not available.
Preservative.		0 - 0.1	Not available.
Nonionics		0 - 0.1	Not available.

Section 3. Hazards identification

Physical State and Appearance : Liquid.
Emergency overview : No specific hazard.
Routes of entry : Dermal contact. Eye contact. Ingestion.
Potential acute health effects
Eyes : Can cause irritation.
Skin : Can cause irritation.
Inhalation : Not applicable
Ingestion : Can cause irritation.
Potential chronic health effects : **CARCINOGENIC EFFECTS:** Classified A4 (Not classifiable for human or animal.) by ACGIH [Ethenediol].
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.
Medical conditions aggravated by overexposure: : Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.
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 if symptoms appear.
- 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** : Not applicable.
- 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.
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** : Not available.
- Special remarks on explosion hazards** : Not available.

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** : Wash thoroughly after handling. Keep out of the reach of children.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8. Exposure Controls, Personal Protection

- Engineering controls** : No special ventilation requirements.
- 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.
Recommended:safety glasses with side shields
- 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.
Body: Recommended:Work uniform or laboratory coat.

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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. Recommended: A respirator is not needed under normal and intended conditions of product use.

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. >8 hour(s) (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 : Ethanediol **Exposure limits**

Ethanediol Not available.

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

Section 9. Physical and chemical properties

Physical State and Appearance	: Liquid.
Color	: Clear Yellow. (Light.)
Odor	: Characteristic.
pH	: 9.1 (Conc. (% w/w): 100) [Basic.]
Relative density	: 0.997 g/ml (20°C / 68°F)
Viscosity	: Dynamic: Highest known value: 0.004 cP (ethanol, 2-(2-ethoxyethoxy)-)
Solubility	: Easily soluble in the following materials: cold water, hot water, methanol, diethyl ether, acetone.
Flash point	: Not applicable.
Explosive properties	: Not available.
Oxidizing properties	: Not available.
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). Keep in frostfree area
Incompatibility with various substances	: Reactive with acids.
Hazardous Decomposition Products	: Not available.
Hazardous polymerization	: Yes.

Section 11. Toxicological information

ethanol, 2-(2-ethoxyethoxy)-	LD50	3620 mg/kg	Oral	Rabbit
	LD50	8500 mg/kg	Dermal	Rabbit
	LD50	6000 mg/kg	Dermal	Rat
alcohols, c9-11, ethoxylated	LD50	>2000 mg/kg	Oral	Rat
	LC50	>5 mg/l (0.25 hour(s))	Inhalation	Rat
Ethanediol	LD50	5890 to 13400 mg/kg	Oral	Rat
	LD50	1650 mg/kg	Oral	Cat.
	LD50	5500 mg/kg	Oral	Mouse
	LD50	10600 mg/kg	Dermal	Rabbit
	LDLo	398 mg/kg	Oral	human
	LDLo	786 mg/kg	Oral	human

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- Chronic effects on humans** : **CARCINOGENIC EFFECTS:** Classified A4 (Not classifiable for human or animal.) by ACGIH [Ethanediol].
- Other toxic effects on humans** : Non-irritant for skin. Non-irritating to the eyes.
- Special remarks on toxicity to animals** : Not available.
- Special remarks on chronic effects on humans** : Not available.
- Special remarks on other toxic effects on humans** : Not available.
- 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

ethanol, 2-(2-ethoxyethoxy)-	Pimephales promelas (LC50)	96 hour(s)	9650 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	>10000 mg/l
	Oncorhynchus mykiss (LC50)	96 hour(s)	13400 mg/l
	Pimephales promelas (LC50)	96 hour(s)	13900 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	21400 mg/l
	Pimephales promelas (LC50)	96 hour(s)	26500 mg/l
Ethanediol	Pimephales promelas (LC50)	96 hour(s)	8050 mg/l
	Pimephales promelas (LC50)	96 hour(s)	>10000 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	27540 mg/l
	Oncorhynchus mykiss (LC50)	96 hour(s)	41000 mg/l
	Pimephales promelas (LC50)	96 hour(s)	49000 mg/l
	Pimephales promelas (LC50)	96 hour(s)	53000 mg/l

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

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.	-	-	-		Special provisions Limited Quantity Remarks ORM-D / CONSUMER COMMODITY ,Keep in frostfree area
TDG Classification	Not regulated.	-	-	-		Special provisions ORM-D / CONSUMER COMMODITY Remarks Keep in frostfree area
ADR/RID Class	Not regulated.	-	-	-		Remarks Keep in frostfree area
IMDG Class	Not regulated.	-	-	-		Remarks Keep in frostfree area
IATA-DGR Class	Not regulated.	-	-	-		Remarks Keep in frostfree area

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 : Not available.

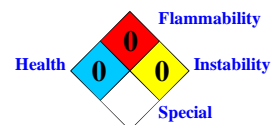
Section 16. Other information

Label Requirements : Not applicable.

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

Health	0
Fire hazard	0
Reactivity	0
Personal protection	A

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



References : Not available.

Other special considerations : Not available.

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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.