



# Material Safety Data Sheet




## Marble polishing powder

### Section 1. Chemical product and company identification

**Manufacturer** : HG International b.v. **Code** : 226900164  
**Address** : Damsluisweg 70 1332 EJ Almere **MSDS#** : 2.02  
**Country** : Netherlands **Validation date** : 9/13/2010.  
**Telephone No.:** : +31 (0)36 54 94 700 **Print date** : 9/13/2010.  
**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** : Gives marble a natural gloss

 **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
Oxalic acid	144-62-7	30 - 100	Not available.
alumina	1344-28-1	10-30	Not available.

### Section 3. Hazards identification

**Physical State and Appearance** : Solid. (powder)

**Emergency overview** : DANGER  
CORROSIVE.  
CAUSES EYE AND SKIN BURNS.  
Caution ! Do not use in combination with other products, hazardous gasses (chlorine) could be released.  
Do not mix with [\*\*\*].chlorine-based bleaching agents  
Do not swallow.  
Do not get in eyes, on skin or on clothing.  
Do not breathe dust.  
Do not breathe fumes.  
Handle and open container with care.  
Keep out of the reach of children.

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

**Potential acute health effects**

**Eyes** : Corrosive to eyes on contact.  
**Skin** : Corrosive to skin on contact.

**Inhalation** : Can cause irritation. Sore throat, coughing, shortness of breath.  
**Ingestion** : Harmful if swallowed. stomach pains Can cause irritation.

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

**Medical conditions aggravated by overexposure:** : Prolonged inhalation of dust may cause lung effects.

**Over-exposure signs/symptoms** : Severely irritating to the respiratory system. Severely irritating to the skin. Severely irritating to the eyes.

[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** : Decomposition products may include the following materials: carbon oxides (CO, CO<sub>2</sub>). Some metallic oxides.
- 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 A self-contained breathing apparatus should be used to avoid inhalation of the product.  
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 vacuum or carefully scoop up spilled materials and place in an appropriate container for disposal. Avoid creating dusty conditions and prevent wind dispersal. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

**Section 7. Handling and storage**

- Handling** : Wash thoroughly after handling. Avoid prolonged contact with eyes, skin, and clothing. Do not ingest. Use only with adequate ventilation. If swallowed, seek medical advice immediately and show this container or label. 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** : Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

### Personal protection

**Eyes** : splash goggles

**Skin** : lab coat

**Respiratory** : Dust respirator. Be sure to use an approved/certified respirator or equivalent.

**Hands** : Gloves.

**Other protection** : Not available.

**Personal protective equipment (Pictograms)** :



**Personal protection in case of a large spill** : Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

### **Product Name**

Oxalic acid  
alumina

### **Exposure limits**

Not available.  
Not available.

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

## Section 9. Physical and chemical properties

**Physical State and Appearance** : Solid. (powder)

**Color** : White

**Odor** : Characteristic.

**pH** : 1.47 (Conc. (% w/w): 1) [Acidic.]

**Relative density** : 1.7 g/cm<sup>3</sup> (20°C / 68°F)

**Viscosity** : Not applicable.

**Solubility** : Soluble in the following materials: hot water.  
Partially soluble in the following materials: cold water, methanol.  
Insoluble in the following materials: diethyl ether.

**Flash point** : Not applicable.

**Explosive properties** : Not available.

**Oxidizing properties** : Not available.

**Physical chemical comments** : Solubility in other solvents: not soluble

## 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** : Highly reactive with alkalis.  
The solid product contains both acidic and alkaline ingredients that may react together if dissolved.  
Oxalic acid, Calcined Alumina.

**Hazardous Decomposition Products** : Not available.

**Hazardous polymerization** : Will not occur.

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## Section 11. Toxicological information

Oxalic acid	LD50	7500 mg/kg	Oral	Rat
	LD50	20000 mg/kg	Dermal	Rabbit
	LDLo	600 mg/kg	Oral	woman

**Chronic effects on humans** :  
 : **CARCINOGENIC EFFECTS:** Classified A4 (Not classifiable for human or animal.) by ACGIH [Calcined Alumina].  
 Contains material which causes damage to the following organs: kidneys, lungs, mucous membranes, gastrointestinal tract, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea, nose/sinuses, throat.

**Other toxic effects on humans** : Slightly hazardous by the following route of exposure: of skin contact (irritant), of eye contact (irritant).

**Special remarks on toxicity to animals** : No additional remark.

**Special remarks on chronic effects on humans** : Prolonged inhalation of dust may cause lung effects.

**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

Oxalic acid	Daphnia magna (EC50)	48 hour(s)	136.9 mg/l
	LEUCISCUS IDUS (EC50)	48 hour(s)	242 mg/l
	DAPHNIA MAGNA (EC50)	48 hour(s)	137 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, CO<sub>2</sub>) and water. 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)** : R21/22- Harmful in contact with skin and if swallowed.

**International lists** :

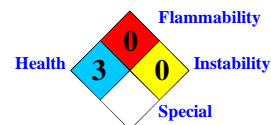
## Section 16. Other information

**Label Requirements** : CORROSIVE.  
CAUSES EYE AND SKIN BURNS.  
Caution ! Do not use in combination with other products, hazardous gasses (chlorine) could be released.

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

Health	3
Fire hazard	0
Reactivity	2
Personal protection	C

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



**References** : Not available.

**Other special considerations** : Not available.

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**Version** : 2.02

### 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.