



# Material Safety Data Sheet



## Polish, wax and dirt remover

### Section 1. Chemical product and company identification

**Manufacturer** : HG International b.v. **Code** : 1251064  
**Address** : Damsluisweg 70 1332 EJ Almere **MSDS#** : 2.02  
**Country** : Netherlands **Validation date** : 5/19/2010.  
**Telephone No.:** : +31 (0)36 54 94 700 **Print date** : 5/19/2010.  
**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** : Intensive (deep) cleaning removes polish, wax, stubborn dirt and oils from quarry tiles and non 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 |
|--|------------|-------------|-----------------|
| water  | 7732-18-5  | 60-100      | Not available.  |
| 2-(2-Butoxyethoxy)ethanol                        | 112-34-5   | 10-30       | Not available.  |
| alcohols, c12-18, ethoxylated propoxylated       | 69227-21-0 | 5-10        | Not available.  |
| 2,2'-Iminodiethanol                              | 111-42-2   | 1-5         | Not available.  |
| triethanolamine                                  | 102-71-6   | 1-5         | Not available.  |
| glycine, n,n-bis(carboxymethyl)-, trisodium salt | 5064-31-3  | 1-5         | Not available.  |
| 1-Methoxy-2-propanol                             | 107-98-2   | 1-5         | Not available.  |
| Sodium hydroxide                                 | 1310-73-2  | 0-1         | Not available.  |

### Section 3. Hazards identification

**Physical State and Appearance** : Liquid.

**Emergency overview** : CAUTION  
IRRITANT.  
May be irritating to eyes and skin.  
Avoid contact with eyes, skin and clothing.

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

#### Potential acute health effects

**Eyes** : Can cause irritation.  
**Skin** : Can cause irritation.  
**Inhalation** : Can cause irritation.  
**Ingestion** : Can cause irritation.

**Potential chronic health effects** : **CARCINOGENIC EFFECTS**: Classified 2B (Possible for human.) by IARC [glycine, n,n-bis(carboxymethyl)-, trisodium salt]. Classified 3 (Not classifiable for human.) by IARC [triethanolamine]. Classified 3 (Not classifiable for human.) by IARC [2,2'-Iminodiethanol].  
**MUTAGENIC EFFECTS**: Not available.  
**TERATOGENIC EFFECTS**: Not available.

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**Medical conditions aggravated by overexposure:** : Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection. 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** : Severely irritating to the eyes. Severely irritating to the skin. Severely irritating to the respiratory system.

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

## Section 4. First aid measures

**Eye Contact** : Check for and remove any contact lenses. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Get medical attention if irritation occurs. Cold water may be used.

**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. Cold water may be used.

**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. If large quantities of this material are swallowed, call a physician immediately. 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** : Non-flammable mixture. Material supports combustion.

**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>), nitrogen oxides (NO, NO<sub>2</sub>...). Some metallic oxides.

**Fire hazards in presence of various substances** : Not available.

**Explosion hazards in presence of various substances** : Risks of explosion of the product in presence of static discharge: Not available.

**Fire fighting media and instructions** : Use an extinguishing agent suitable for surrounding fires.  
Protective Clothing  
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** : Material supports combustion.

**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. Absorb with an inert material and put the spilled material in an appropriate waste disposal. Neutralize the residue with a dilute solution of acetic acid.

**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. Neutralize the residue with a dilute solution of acetic acid.

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## Section 7. Handling and storage

- Handling** : Do not ingest. Avoid contact with skin and eyes. Wash thoroughly after handling.
- 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. Ensure that eyewash stations and safety showers are proximal to the work-station location.

### Personal protection

- Eyes** : splash goggles
- Skin** : lab coat
- Respiratory** : 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** : Gloves.
- Other protection** : Not available.

### Personal protective equipment (Pictograms)



- Personal protection in case of a large spill** : Splash goggles. Full suit. Vapor 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.

Consult local authorities for acceptable exposure limits.

## Section 9. Physical and chemical properties

- Physical State and Appearance** : Liquid.
- Color** : Clear Colorless.
- Odor** : Characteristic. (Slight.)
- pH** : 12.8 [Basic.]
- Relative density** : 1.031 g/cm<sup>3</sup>
- Viscosity** : Dynamic: Highest known value: 135 cP (alcohols, c12-18, ethoxylated propoxylated) Weighted average: 105.8 cP
- Solubility** : Easily soluble in the following materials: cold water, hot water, methanol, diethyl ether, acetone. Insoluble in the following materials: n-octanol.
- Flash point** : Not applicable.
- Explosive properties** : Risks of explosion of the product in presence of static discharge: 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** : Not applicable
- Incompatibility with various substances** : Very slightly to slightly reactive with acids.
- Hazardous Decomposition Products** : carbon oxides (CO, CO<sub>2</sub>) nitrogen oxides (NO, NO<sub>2</sub>...)
- Hazardous polymerization** : Will not occur.

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## Section 11. Toxicological information

|  |      |                   |            |            |
|--|------|-------------------|------------|------------|
| 2-(2-Butoxyethoxy)ethanol                        | LD50 | 5660 mg/kg        | Oral       | Rat        |
|  | LD50 | 2200 mg/kg        | Oral       | Rabbit     |
|  | LD50 | 2400 mg/kg        | Oral       | Mouse      |
|  | LD50 | 2700 mg/kg        | Dermal     | Mouse      |
| glycine, n,n-bis(carboxymethyl)-, trisodium salt | LD50 | 1100 mg/kg        | Oral       | Rat        |
|  | LD50 | 681 mg/kg         | Oral       | Mouse      |
|  | LD50 | 750 mg/kg         | Oral       | Monkey.    |
| triethanolamine                                  | LD50 | 2200 mg/kg        | Oral       | Rabbit     |
|  | LD50 | 2200 mg/kg        | Oral       | Guinea pig |
|  | LD50 | 5846 mg/kg        | Oral       | Mouse      |
|  | LD50 | 10000 mg/kg       | Dermal     | Rabbit     |
| 1-Methoxy-2-propanol                             | LD50 | 5700 mg/kg        | Oral       | Rabbit     |
|  | LD50 | 11700 mg/kg       | Oral       | Mouse      |
|  | LD50 | 13500 mg/kg       | Dermal     | Rabbit     |
|  | LDLo | 3739 mg/kg        | Oral       | Rat        |
|  | LC50 | 7000 (6 hour(s))  | Inhalation | Rat        |
|  | LC50 | 10000 (5 hour(s)) | Inhalation | Rat        |

**Chronic effects on humans** : **CARCINOGENIC EFFECTS:** Classified 2B (Possible for human.) by IARC [glycine, n,n-bis(carboxymethyl)-, trisodium salt]. Classified 3 (Not classifiable for human.) by IARC [triethanolamine]. Classified 3 (Not classifiable for human.) by IARC [2,2'-Iminodiethanol]. Contains material which causes damage to the following organs: upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea.

**Other toxic effects on humans** : Hazardous by the following route of exposure: of eye contact (irritant).

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

**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** : Contains material which may cause cancer.. Risk of cancer depends on duration and level of exposure.

**Mutagenic effects** : No known significant effects or critical hazards.

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

## Section 12. Ecological information

|  |                                |            |            |
|--|--------------------------------|------------|------------|
| 2-(2-Butoxyethoxy)ethanol                        | Lepomis macrochirus (LC50)     | 96 hour(s) | 1300 mg/l  |
| glycine, n,n-bis(carboxymethyl)-, trisodium salt | Fish (LC50)                    | 96 hour(s) | >200 mg/l  |
| triethanolamine                                  | Scenedesmus subspicatus (EC50) | 48 hour(s) | 470 mg/l   |
|  | Scenedesmus subspicatus (EC50) | 48 hour(s) | 750 mg/l   |
|  | Pimephales promelas (LC50)     | 96 hour(s) | 11800 mg/l |
| 1-Methoxy-2-propanol                             | Bacteria (EC50)                | 48 hour(s) | >1000 mg/l |
|  | Fish (LC50)                    | 96 hour(s) | >1000 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, CO<sub>2</sub>) and water, nitrogen oxides (NO, NO<sub>2</sub>...). 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** : Not available.

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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).  
No products were found.

### International regulations

**EINECS** : Not available.

**DSCL (EEC)** : R36- Irritating to eyes.

**International lists** : Not available.

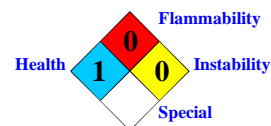
## Section 16. Other information

**Label Requirements** : IRRITANT.  
May be irritating to eyes and skin.

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

|                     |   |
|---------------------|---|
| Health              | 1 |
| Fire hazard         | 0 |
| Reactivity          | 1 |
| 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.**