



# Material Safety Data Sheet



## Bamboo and Cork Cleaner

### Section 1. Chemical product and company identification

**Manufacturer** : HG International b.v. **Code** : 3711064  
**Address** : Damsluisweg 70 1332 EJ Almere **MSDS#** : 1.04  
**Country** : Netherlands **Validation date** : 31-3-2008.  
**Telephone No.:** : +31 (0)36 54 94 700 **Print date** : 31-3-2008.  
**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** : Cleaner.  
**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 |
|--|------------|-------------|-----------------|
| propan-2-ol                                  | 67-63-0    | 5 - 15      | Not available.  |
| alcohols, c11-14-iso-, c13-rich, ethoxylated | 78330-21-9 | 1 - 5       | Not available.  |
| Perfume ingredient.                          |            | 0-0.5       | Not available.  |
| Acid green 81                                |            | 0-0.01      | Not available.  |

### Section 3. Hazards identification

**Physical State and Appearance** : Liquid.

**Emergency overview** : CAUTION  
COMBUSTIBLE.  
Keep away from heat, sparks and flame.

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

**Potential acute health effects**

- Eyes** : Can cause irritation.
- Skin** : Can cause irritation.
- Inhalation** : Can cause irritation.
- Ingestion** : Ingestion: stomach pains diarrhea

**Potential chronic health effects** : **CARCINOGENIC EFFECTS:** Classified A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC [propan-2-ol].  
**MUTAGENIC EFFECTS:** Not available.  
**TERATOGENIC EFFECTS:** Not available.

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

**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.
- Notes to Physician** : Not available.

## Section 5. Fire fighting measures

- Flammability of the product** : Flammable.
- Auto-ignition Temperature** : Lowest known value: >200°C (392°F) (alcohols, c11-14-iso-, c13-rich, ethoxylated).
- Flash Points** : Closed cup: 45°C (113°F). (Pensky-Martens.)
- Flammable limits** : Not available.
- Products of combustion** : Decomposition products may include the following materials: carbon oxides (CO, CO<sub>2</sub>).
- 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 CO<sub>2</sub>.  
Flammable 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** : Not available.
- 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. 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).

## 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** : 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.

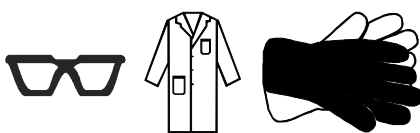
**Skin** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**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.

**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.

**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.

**Product Name**

propan-2-ol

**Exposure limits**

Not available.

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

## Section 9. Physical and chemical properties

**Physical State and Appearance** : Liquid.

**Color** : Green. Clear

**Odor** : Lavendel

**pH** : 8 to 9 (Conc. (% w/w): 100) [Basic.]

**Relative density** : 0.983 g/cm<sup>3</sup> (20°C / 68°F)

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

**Solubility** : Easily soluble in the following materials: hot water, diethyl ether, acetone.  
Soluble in the following materials: cold water.

**Flash point** : Closed cup: 45°C (113°F). (Pensky-Martens.)

**Explosive properties** : Not available.

**Oxidizing properties** : Not applicable

**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** : Slightly reactive to reactive with acids.

**Hazardous Decomposition Products** : Not available.

**Hazardous polymerization** : Will not occur.

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## Section 11. Toxicological information

|  |      |                   |        |        |
|--|------|-------------------|--------|--------|
| propan-2-ol                                  | LD50 | 5045 mg/kg        | Oral   | Rat    |
|  | LD50 | 6410 mg/kg        | Oral   | Rabbit |
|  | LD50 | 3600 mg/kg        | Oral   | Mouse  |
|  | LD50 | 12800 mg/kg       | Dermal | Rabbit |
|  | LD50 | 12800 mg/kg       | Dermal | Rabbit |
|  | LDLo | 1537 mg/kg        | Oral   | Dog    |
|  | LDLo | 3570 mg/kg        | Oral   | human  |
|  | LDLo | 5272 mg/kg        | Oral   | man    |
| alcohols, c11-14-iso-, c13-rich, ethoxylated | LD50 | 200 to 2000 mg/kg | Oral   | Rat    |

**Chronic effects on humans** : **CARCINOGENIC EFFECTS:** Classified A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC [propan-2-ol].  
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** : Slightly hazardous by the following route of exposure: of inhalation (lung irritant).  
Non-irritant for skin. Non-irritating to the eyes.

**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** : Not available.

**Special remarks on other toxic effects on humans** : Not available.

### Specific effects

**Carcinogenic effects** : Contains material which may cause cancer based on animal data. 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

|                               |  |              |              |
|-------------------------------|--|--------------|--------------|
| propan-2-ol                   | Pimephales promelas (EC50)                   | 48 hour(s)   | 10000 mg/l   |
|                               | Lepomis macrochirus (LC50)                   | 96 hour(s)   | >1400 mg/l   |
|                               | Pimephales promelas (LC50)                   | 96 hour(s)   | 6550 mg/l    |
|                               | Pimephales promelas (LC50)                   | 96 hour(s)   | 9640 mg/l    |
|                               | Pimephales promelas (LC50)                   | 96 hour(s)   | 10400 mg/l   |
|                               | Pimephales promelas (LC50)                   | 96 hour(s)   | 11130 mg/l   |
|                               | alcohols, c11-14-iso-, c13-rich, ethoxylated | Flora (EC50) | 72 hour(s)   |
| LEUCISCUS IDUS (LC50)         |  | 96 hour(s)   | 1 to 10 mg/l |
| Aquatic Invertebrates. (LC50) |  | 48 hour(s)   | 1 to 10 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.

**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  |
|---------------------------|-----------|---|---------------------|---------------|---|---|
| <b>DOT Classification</b> | 1993      | Flammable liquid N.O.S. (Isopropylalcohol, mixture) (propan-2-ol)                   | Combustible liquid. | III           |    | <b>Limited quantity</b><br>Yes.<br><br><b>Remarks</b><br>Limited quantity for 1 litre package   |
| <b>TDG Classification</b> | 1993      | Flammable liquid N.O.S. (Isopropylalcohol, mixture) (propan-2-ol)                   | 3                   | III           |    | <b>Remarks</b><br>Limited quantity for 1 litre package  |
| <b>ADR/RID Class</b>      | 1993      | UN 1993, "dangerous goods in limited quantities of class 3", III, ADR (propan-2-ol) | 3                   | III           |    | <b>Hazard identification number</b><br>30<br><br><b>Reportable quantity</b><br>45<br><br><b>Remarks</b><br>Dangerous goods in limited quantities    |
| <b>IMDG Class</b>         | 1993      | "dangerous goods in limited quantities of class 3", UN 1993, PG III (propan-2-ol)   | 3                   | III           |  | <b>Emergency schedules (EmS)</b><br>F-E, S-E<br><br><b>Reportable quantity</b><br>30<br><br><b>Remarks</b><br>Dangerous goods in limited quantities |
| <b>IATA-DGR Class</b>     | 1993      | "dangerous goods in limited quantities of class 3", UN 1993, PG III (propan-2-ol)   | 3                   | III           |  | -   |

## Section 15. Regulatory information

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

**International regulations**

**EINECS** : Not available.

**DSCL (EEC)** : R10- Flammable.

**International lists** :

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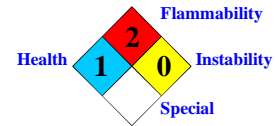
## Section 16. Other information

Label Requirements : COMBUSTIBLE.

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

|                     |   |
|---------------------|---|
| Health              | 1 |
| Fire hazard         | 2 |
| 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

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.