



# Material Safety Data Sheet



## Eliminator of all unpleasant smells at source

### Section 1. Chemical product and company identification

**Manufacturer** : HG International b.v. **Code** : 4410400  
**Address** : Damsluisweg 70 1332 EJ Almere **MSDS#** : 2.01  
**Country** : Netherlands **Validation date** : 6-11-2007.  
**Telephone No.:** : +31 (0)36 54 94 700 **Print date** : 6-11-2007.  
**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** : Has been specially developed to remove unpleasant smells biologically, does not mask the smell but removes it at source by means of natural enzymes and microbes.

 **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	75-100	Not available.
Bacterial culture		5-15	Not available.
Perfume ingredient.		0-1	Not available.

### Section 3. Hazards identification

**Physical State and Appearance** : Liquid.

**Emergency overview** : No specific hazard.

**Routes of entry** : Ingestion  
Inhalation

#### Potential acute health effects

**Eyes** : May cause eye irritation.

**Skin** : May cause skin sensitization.

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

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

**Potential chronic health effects** : **CARCINOGENIC EFFECTS:** Not available.  
**MUTAGENIC EFFECTS:** Not available.  
**TERATOGENIC EFFECTS:** Not available.

**Medical conditions aggravated by overexposure:** : Over-exposure by inhalation may cause respiratory irritation.

**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** : No additional remark.
- 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. Avoid breathing vapors or spray mists. Avoid prolonged contact with eyes, skin, and clothing.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area. Keep in frostfree 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.
- 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.

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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.

**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. Boots. Gloves. 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** : White.
- Odor** : Lemon like.
- pH** : 6.5 to 7.5 (Conc. (% w/w): 100) [Neutral.]
- Relative density** : 0.9985 g/cm<sup>3</sup> (20°C / 68°F)
- Viscosity** : Not available.
- Solubility** : Easily soluble in the following materials: hot water.  
Soluble in the following materials: cold water.
- Flash point** : Not applicable.
- Explosive properties** : 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** : Stable under recommended storage and handling conditions (see section 7).
- Incompatibility with various substances** : Highly reactive with acids.
- Hazardous Decomposition Products** : carbon oxides (CO, CO<sub>2</sub>)
- Hazardous polymerization** : Will not occur.

## **Section 11. Toxicological information**

- Chronic effects on humans** : Not available.
- Other toxic effects on humans** : May cause eye irritation. May cause skin sensitization.
- 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.

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

**Section 12. Ecological information**

**BOD and COD** : Not available.  
**Biodegradable/OECD** : Readily biodegradable.  
**Mobility** : Not available.  
**Products of degradation** : Not available.  
**Toxicity of the products of biodegradation** : The product itself and its products of degradation are not toxic.  
**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>	Not regulated.	-	-	-		Keep in frostfree area
<b>TDG Classification</b>	Not regulated.	-	-	-		Keep in frostfree area
<b>ADR/RID Class</b>	Not regulated.	-	-	-		<b>Remarks</b> Keep in frostfree area
<b>IMDG Class</b>	Not regulated.	-	-	-		<b>Remarks</b> Keep in frostfree area
<b>IATA-DGR Class</b>	Not regulated.	-	-	-		<b>Remarks</b> 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** :

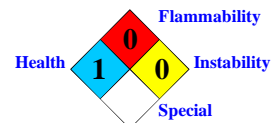
**Section 16. Other information**

**Label Requirements** : Not applicable.

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

Health	1
Fire hazard	0
Reactivity	0
Personal protection	C

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



**References** : Not available.

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**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.