



Material Safety Data Sheet



Air neutralizer for all bad smells

Section 1. Chemical product and company identification

Manufacturer : HG International b.v. **Code** : 4460406
Address : Damsluisweg 70 1332 EJ Almere **MSDS#** : 3.02
Country : Netherlands **Validation date** : 22-8-2008.
Telephone No.: : +31 (0)36 54 94 700 **Print date** : 22-8-2008.
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 : Is a non-damaging, water-based plant extract that quickly, safely and effectively neutralises the most difficult odours leaving a clean and healthy environment.

 **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.
Sugar derivatives and peptides		5-15	Not available.

Section 3. Hazards identification

Physical State and Appearance : Liquid.

Emergency overview : Caution
Contains gas under pressure.
Container explosion may occur under fire conditions or when heated.
Do not puncture or incinerate container.
Keep away from heat, sparks and flame.

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

Potential acute health effects

Eyes : Can cause irritation.

Skin : Can cause irritation.

Inhalation : No known significant effects or critical hazards.

Ingestion : Can cause irritation.

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 if symptoms appear.
- Notes to Physician** : Not available.

Section 5. Fire fighting measures

- Flammability of the product** : May be combustible at high temperature.
- Auto-ignition Temperature** : Not available.
- Flash Points** : Not available.
- Flammable limits** : Not available.
- Products of combustion** : Not available.
- Fire hazards in presence of various substances** : Not available.
- 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.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area. Pressurized container: protect from sunlight and do not expose to temperature exceeding 50°C. Do not pierce or burn, even after use.

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.

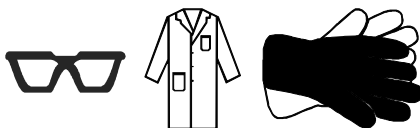
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Respiratory : A respirator is not needed under normal and intended conditions of product use.

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.

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	: 8.5 (Conc. (% w/w): 100) [Basic.]
Relative density	: 1.002 g/cm ³ (20°C / 68°F)
Viscosity	: Not available.
Solubility	: Easily soluble in the following materials: hot water, diethyl ether, acetone. Soluble in the following materials: cold water.
Flash point	: Not available.
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). Keep away from heat, sparks and flame.
Incompatibility with various substances	: Not available.
Hazardous Decomposition Products	: Not available.
Hazardous polymerization	: Will not occur.

Section 11. Toxicological information

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].
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	: 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	: Contains material which may cause cancer based on animal data. Risk of cancer depends on duration and level of exposure.

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Mutagenic effects : No known significant effects or critical hazards.

Reproduction toxicity : No known significant effects or critical hazards.

Section 12. Ecological information

BOD and COD : Not available.

Biodegradable/OECD : Not available.

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
DOT Classification	1950	"dangerous goods in limited quantities of class 2" UN 1950, PG III Aerosol	2.2	III		Limited quantity Yes. Remarks Limited Quantity
TDG Classification	1950	"dangerous goods in limited quantities of class 2" UN 1950, PG III Aerosol	2.2	III		Remarks Limited Quantity
ADR/RID Class	1950	UN 1950, "dangerous goods in limited quantities of class 2", III, Aerosol, ADR	2.2	III		Limited quantity LQ2 Remarks Dangerous goods in limited quantities
IMDG Class	1950	"dangerous goods in limited quantities of class 2" UN 1950, PG III, Aerosol	2.2	III		Emergency schedules (EmS) F-D, S-U Remarks Dangerous goods in limited quantities
IATA-DGR Class	1950	"dangerous goods in limited quantities of class 2" UN 1950, PG III, Aerosol	2.2	III		Remarks Dangerous goods in limited quantities

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Section 15. Regulatory information

WHMIS (Canada) : Not controlled under WHMIS (Canada).

International regulations

EINECS : Not available.

DSCL (EEC) : This product is not classified according to the EU regulations.

International lists : Not available.

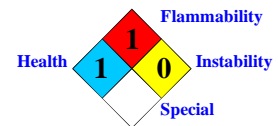
Section 16. Other information

Label Requirements : Contains gas under pressure.
Container explosion may occur under fire conditions or when heated.
Do not puncture or incinerate container.

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

Health	1
Fire hazard	1
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.