



# Material Safety Data Sheet



## Chewing gum remover

### Section 1. Chemical product and company identification

**Manufacturer** : HG International b.v. **Code** : 020009158  
**Address** : Damsluisweg 70 1332 EJ Almere **MSDS#** : 2.01  
**Country** : Netherlands **Validation date** : 11-10-2007.  
**Telephone No.:** : +31 (0)36 54 94 700 **Print date** : 11-10-2007.  
**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** : To make trodden-in chewing gum removable from various surfaces  
**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
Butane	106-97-8	50-100	Not available.
Propane	74-98-6	25-50	Simple asphyxiant.

### Section 3. Hazards identification

**Physical State and Appearance** : Gas.

**Emergency overview** : DANGER  
CAUTION  
FLAMMABLE.  
CONTENTS UNDER PRESSURE.  
Vapor may cause flash fire.  
Container explosion may occur under fire conditions or when heated.  
Do not smoke.  
Do not breathe fumes.  
Do not puncture or incinerate container.  
Use only in well-ventilated areas.  
Keep away from heat, sparks and flame.

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

**Potential acute health effects**

**Eyes** : May cause eye irritation.  
**Skin** : May cause skin irritation.  
**Inhalation** : No known significant effects or critical hazards.  
**Ingestion** : Ingestion is not likely while the product will not easily enter the human body

**Potential chronic health effects** : **CARCINOGENIC EFFECTS:** Not available.  
**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 \(section 11\)](#)

Continued on next page

## 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** : Flammable.
- Auto-ignition Temperature** : 365°C (689°F)
- Flash Points** : Closed cup: <0°C (32°F). (Pensky-Martens.)
- Flammable limits** : Lower: 1.5% Upper: 10.9%
- 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** : 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** : Not available.
- Special remarks on explosion hazards** : Pressurized container: protect from sunlight and do not expose to temperature exceeding 50°C. Do not pierce or burn, even after use.

## Section 6. Accidental release measures

- Personal precautions** : Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (Section 8).
- :  
:

## Section 7. Handling and storage

- Handling** : Extremely hazardous liquid and vapor under pressure. Do not puncture or incinerate container. Ventilation is normally required when handling or using this product. Do not spray on a naked flame or any incandescent material.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area.

## Section 8. Exposure Controls, Personal Protection

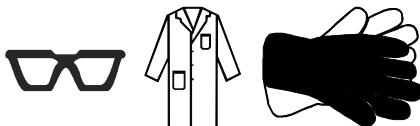
- Engineering controls** : No special ventilation requirements.
- Personal protection**
- Eyes** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.
- Skin** : Personal protective 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.

*Continued on next page*

**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.

**Product Name**

**Exposure limits**

Butane  
Propane

Not available.  
Simple asphyxiant.

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

## Section 9. Physical and chemical properties

**Physical State and Appearance** : Gas.

**Color** : Colorless.

**Odor** : Odorless.

**pH** : Not applicable.

**Relative density** : 0.55 g/cm<sup>3</sup> (20°C / 68°F)

**Viscosity** : Not available.

**Solubility** : Insoluble in the following materials: cold water, hot water.

**Flash point** : Closed cup: <0°C (32°F). (Pensky-Martens.)

**Explosive properties** : Not available.

**Explosion Limits** : Lower: 1.5% Upper: 10.9%

**Oxidizing properties** : Not applicable.

**Physical chemical comments** : Not available.

## Section 10. Stability and reactivity

**Stability and Reactivity** : The product is stable.

**Conditions of instability** : Keep away from heat, sparks and flame. Stable under recommended storage and handling conditions (see section 7).

**Incompatibility with various substances** : Not available.

**Hazardous Decomposition Products** : Not available.

**Hazardous polymerization** : Not available.

## Section 11. Toxicological information

**Chronic effects on humans** : Contains material which causes damage to the following organs: the nervous system, central nervous system (CNS).

**Other toxic effects on humans** : 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**

*Continued on next page*

- 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




- BOD and COD** : Not available.  
**Biodegradable/OECD** : Not available.  
**Mobility** : Not available.  
**Products of degradation** : Not applicable.  
**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** : Do not puncture or incinerate container. 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>	1950	"dangerous goods in limited quantities of class 2" UN 1950, PG III Aerosol. Marine pollutant	2.1	III		<b>Marine pollutant</b> Marine pollutant (P)  <b>Limited quantity</b> Yes.  <b>Remarks</b> Limited Quantity
<b>TDG Classification</b>	1950	"dangerous goods in limited quantities of class 2" UN 1950, PG III Aerosol. Marine pollutant	2.1	III		<b>Marine pollutant</b> Marine pollutant (P)  <b>Remarks</b> Limited Quantity
<b>ADR/RID Class</b>	1950	UN 1950, "dangerous goods in limited quantities of class 2", III, Aerosol, ADR (Butane)	2.1	III		<b>Hazard identification number</b> 23  <b>Reportable quantity</b> 30  <b>Remarks</b> Dangerous goods in limited quantities for upto 1000 ml non-toxic aerosols

Continued on next page

<b>IMDG Class</b>	1950	"dangerous goods in limited quantities of class 2" UN 1950, PG III, Aerosol (Butane)	2.1	III		<b>Emergency schedules (EmS)</b> F-D,S-U  <b>Reportable quantity</b> 30  <b>Remarks</b> Dangerous goods in limited quantities
<b>IATA-DGR Class</b>	1950	"dangerous goods in limited quantities of class 2" UN 1950, PG III, Aerosol (Butane)	2.1	III		-

**Section 15. Regulatory information**

**WHMIS (Canada)** : Class B-1: Flammable gas.  
 No products were found.

International regulations

**EINECS** : Not available.  
**DSCL (EEC)** : R12- Extremely flammable.  
**International lists** :

**Section 16. Other information**

**Label Requirements** : CONTENTS UNDER PRESSURE.  
 Vapor may cause flash fire.  
 Container explosion may occur under fire conditions or when heated.

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

Health	0
Fire hazard	4
Reactivity	0
Personal protection	C

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



**References** : Not available.  
**Other special considerations** : Not available.

**Date of printing** : 11-10-2007.  
**Date of issue** : 11-10-2007.  
**Date of previous issue** : No previous validation.  
**Version** : 2.01

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.