1 Identification

- Product identifier
- Trade name: Gum Free
- Article number: 084
- Application of the substance / the mixture: Gum Remover
- Details of the supplier of the Safety Data Sheet
  Manufacturer/Supplier:
  ITW Pro Brands
  805 East Old 56 Highway
  Olathe, Kansas 66061
  Phone: 1-800-224-4860
- Emergency telephone number: Infotrac Emergency Hotline: 1-800-535-5053

2 Hazard(s) identification

- Classification of the substance or mixture
  GHS 04 gas cylinder
  H280 Contains gas under pressure; may explode if heated.
  GHS02 Flame
  Flam. Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurized container: May burst if heated.

- GHS08 Health hazard
  Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.
  Simple Asphyxiant May displace oxygen and cause rapid suffocation.

- Label elements
- GHS label elements
  The product is classified and labeled according to the Globally Harmonized System (GHS).

- Hazard pictograms
  GHS02 GHS08

- Signal word Danger

- Hazard-determining components of labeling:
  isobutane
  propane

- Hazard statements
  H280 Contains gas under pressure; may explode if heated.

(Contd. on page 2)
Trade name: Gum Free

H222-H229 Extremely flammable aerosol. Pressurized container: May burst if heated.
H304 May be fatal if swallowed and enters airways.
May displace oxygen and cause rapid suffocation.

- **Precautionary statements**
  P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
  P251 Pressurized container: Do not pierce or burn, even after use.
  P211 Do not spray on an open flame or other ignition source.
  P301+P310 If swallowed: Immediately call a poison center/doctor.
  P331 Do NOT induce vomiting.
  P405 Store locked up.
  P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
  P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Additional information:** Pressurized container: May burst if heated.
- **Hazard description:**
- **WHMIS-symbols:**
  A - Compressed gas
  B5 - Flammable aerosol

- **Classification system:**
- **NFPA ratings (scale 0 - 4)**
  🟡 Health = 0
  🟠 Fire = 4
  ⚡ Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**
  ⚡ Health = 0
  🔥 Fire = 4
  ⚡ Reactivity = 0

- **Other hazards**
- **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.

### 3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**
<table>
<thead>
<tr>
<th>Code</th>
<th>Substance</th>
<th>Pictograms</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>75-28-5</td>
<td>isobutane</td>
<td>🕳 Flam. Gas 1, H220, Press. Gas, H280</td>
<td>50-100%</td>
</tr>
</tbody>
</table>

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Trade name: Gum Free

### 4 First-aid measures

- **Description of first aid measures**
- **General information:** Take affected persons out into the fresh air.
- **After inhalation:**
  Supply fresh air; consult doctor in case of complaints.
  Provide oxygen treatment if affected person has difficulty breathing.
- **After skin contact:**
  Immediately wash with water and soap and rinse thoroughly.
  In cases of frostbite, rinse with plenty of water. Do not remove clothing.
  If skin irritation continues, consult a doctor.
- **After eye contact:**
  Remove contact lenses if worn.
  Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
  Unlikely route of exposure.
  Do not induce vomiting; immediately call for medical help.
- **Most important symptoms and effects, both acute and delayed**
  Headache
  Breathing difficulty
  Dizziness
  Coughing
  Frostbite
  Nausea
  Disorientation
- **Danger** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
  If swallowed, gastric irrigation with added, activated carbon.
  Treat frost-bitten areas appropriately.
  If swallowed or in case of vomiting, danger of entering the lungs.

### 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
  CO2, extinguishing powder or water spray. Fight larger fires with water spray.
- **For safety reasons unsuitable extinguishing agents:** None.
- **Special hazards arising from the substance or mixture**
  Danger of receptacles bursting because of high vapor pressure if heated.
  Formation of toxic gases is possible during heating or in case of fire.
6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
  Wear protective equipment. Keep unprotected persons away.
  If containers are leaking, use respiratory protective device against the effects of fumes/dust/aerosol.
  Ensure adequate ventilation.
  Keep away from ignition sources.
- Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- Methods and material for containment and cleaning up:
  Allow to evaporate.
  Absorb liquid components with liquid-binding material.
  Ensure adequate ventilation.
  Dispose contaminated material as waste according to item 13.
- Reference to other sections
  See Section 7 for information on safe handling.
  See Section 8 for information on personal protection equipment.
  See Section 13 for disposal information.

7 Handling and storage

- Precautions for safe handling
  Keep away from heat and direct sunlight.
  Use only in well ventilated areas.
  Pressurized container: Do not pierce or burn, even after use.
- Information about protection against explosions and fires:
  Keep ignition sources away - Do not smoke.
  Fumes can combine with air to form an explosive mixture.
  Flammable gas-air mixtures may be formed in empty receptacles.
  Do not spray on a naked flame or any incandescent material.
- Conditions for safe storage, including any incompatibilities
  Storage:
  Requirements to be met by storerooms and receptacles:
  Observe official regulations on storing packagings with pressurized containers.
  Provide ventilation for receptacles.
  Avoid storage near extreme heat, ignition sources or open flame.
  Information about storage in one common storage facility:
  Store away from foodstuffs.

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Trade name: Gum Free

Store away from oxidizing agents.

**Further information about storage conditions:**
Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.

**Specific end use(s)** No further relevant information available.

---

### 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**

<table>
<thead>
<tr>
<th>Components with limit values that require monitoring at the workplace:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>75-28-5 isobutane</strong></td>
</tr>
<tr>
<td>TLV (USA)</td>
</tr>
<tr>
<td>EV (Canada)</td>
</tr>
<tr>
<td>LMPE (Mexico)</td>
</tr>
<tr>
<td><strong>74-98-6 propane</strong></td>
</tr>
<tr>
<td>PEL (USA)</td>
</tr>
<tr>
<td>REL (USA)</td>
</tr>
<tr>
<td>TLV (USA)</td>
</tr>
<tr>
<td>EL (Canada)</td>
</tr>
<tr>
<td>EV (Canada)</td>
</tr>
<tr>
<td>LMPE (Mexico)</td>
</tr>
</tbody>
</table>

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
Avoid close or long term contact with the skin.
Avoid contact with the eyes.
- **Breathing equipment:**
Not required under normal conditions of use.
For spills, respiratory protection may be advisable.
Use suitable respiratory protective device in case of insufficient ventilation.
- **Protection of hands:**

![Protective gloves](Image)

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several
substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**
  - Safety glasses

- **Body protection:** Protective work clothing
- **Limitation and supervision of exposure into the environment**
  No further relevant information available.

### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
  - Form: Aerosol
  - Color: Colorless
- **Odor:** Odorless
- **Odor threshold:** Not determined.
- **pH-value:** Not determined.
- **Change in condition**
  - Melting point/Melting range: Undetermined.
  - Boiling point/Boiling range: -42 °C (-44 °F)
- **Flash point:** -104 °C (-155 °F)
- **Flammability (solid, gaseous):** Not applicable.
- **Auto-ignition temperature:** Not determined.
- **Decomposition temperature:** Not determined.
- **Auto igniting:** Product is not self-igniting.
- **Danger of explosion:** Not determined.
- **Explosion limits:**
  - Lower: Not determined.
  - Upper: Not determined.
- **Vapor pressure at 21 °C (70 °F):** 50 - 100 psig
- **Density at 20 °C (68 °F):** 0.28 g/cm³ (2.337 lbs/gal)
- **Relative density:** Not determined.
- **Vapour density:** > 1 (Air=1)
- **Evaporation rate:** Not applicable.
10 Stability and reactivity

- Reactivity
- Chemical stability
- Thermal decomposition / conditions to be avoided:
  No decomposition if used and stored according to specifications.
  Danger of receptacles bursting because of high vapor pressure if heated.
- Possibility of hazardous reactions
  Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomized.
  Reacts violently with oxidizing agents.
  Extremely flammable aerosol.
- Conditions to avoid
  Keep away from heat and direct sunlight.
  Excessive heat and contact with oxidizers.
  Keep ignition sources away - Do not smoke.
- Incompatible materials: No further relevant information available.
- Hazardous decomposition products:
  Carbon monoxide and carbon dioxide
  Hydrocarbons

11 Toxicological information

- Information on toxicological effects
  - Acute toxicity:
  - Primary irritant effect:
    - on the skin: No irritant effect.
    - on the eye: No irritating effect.
  - Sensitization: No sensitizing effects known.
  - Other information (about experimental toxicology):
    Ingestion is considered unlikely.
    Vapors have narcotic effect.

(Contd. on page 6)
12 Ecological information

- Toxicity
  - Aquatic toxicity: No further relevant information available.
- Persistence and degradability: No further relevant information available.
- Bioaccumulative potential: No further relevant information available.
- Mobility in soil: No further relevant information available.
- Additional ecological information:
  - General notes:
    Avoid transfer into the environment.
    Due to the consistence and the low watersolubility of the product a bioavailability is not probable.
  - Results of PBT and vPvB assessment
    - PBT: Not applicable.
    - vPvB: Not applicable.
  - Other adverse effects: No further relevant information available.

13 Disposal considerations

- Waste treatment methods
  - Recommendation:
    Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
    Contact waste processors for recycling information.
    Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
    The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.


- Uncleaned packagings:
  - Recommendation: Disposal must be made according to official regulations.

14 Transport information

- UN-Number
- DOT, ADR, IMDG, IATA: UN1950

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Trade name: Gum Free

- **UN proper shipping name**
  - Limited Quantity for packages less than 30 kg (66 lb) and inner packagings less than 1 L (0.3 gal).
- **DOT**
  - Class: 2.1
  - Label: 2.1
- **ADR**
  - Class: 2 5F Gases
  - Label: 2.1
- **IMDG**
  - Class: 2 Gases
  - Label: 2.1
- **IATA**
  - Class: 2.1
  - Label: 2.1
  - Packing group: Not Regulated
  - DOT, ADR, IMDG, IATA: No
  - Environmental hazards: Warning: Gases
  - Marine pollutant: -
  - Special precautions for user: F-D, S-U
  - Danger code (Kepler): Not applicable.
  - Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.
Trade name: Gum Free

(Contd. of page 9)

- Transport/Additional information:
  - DOT
    - Quantity limitations
      - On passenger aircraft/rail: 75kg
      - On cargo aircraft only: 150kg
  - ADR
    - Excepted quantities (EQ)
      - Code: E0
      - Not permitted as Excepted Quantity
  - IMDG
    - Limited quantities (LQ)
      - 1000mL
    - Excepted quantities (EQ)
      - Code: E0
      - Not permitted as Excepted Quantity
  - UN "Model Regulation":
    - UN1950, Aerosols, 2.1

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
  - SARA
    - Section 355 (extremely hazardous substances):
      - None of the ingredients is listed.
    - Section 313 (Specific toxic chemical listings):
      - None of the ingredients are listed.
    - TSCA (Toxic Substances Control Act):
      - All ingredients are listed.
    - Proposition 65 (California)
      - Chemicals known to cause cancer:
        - None of the ingredients are listed.
      - Chemicals known to cause reproductive toxicity for females:
        - None of the ingredients are listed.
      - Chemicals known to cause reproductive toxicity for males:
        - None of the ingredients is listed.
      - Chemicals known to cause developmental toxicity:
        - None of the ingredients is listed.
    - Carcinogenic categories
      - EPA (Environmental Protection Agency)
        - None of the ingredients is listed.
      - IARC (International Agency for Research on Cancer)
        - None of the ingredients is listed.
      - TLV (Threshold Limit Value established by ACGIH)
        - None of the ingredients is listed.

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Trade name: Gum Free

- NIOSH-Ca (National Institute for Occupational Safety and Health)
  None of the ingredients is listed.
- State Right to Know Listings
  None of the ingredients is listed.
- Canadian substance listings:
  - Canadian Domestic Substances List (DSL)
    All ingredients are listed.
  - Canadian Ingredient Disclosure list (limit 0.1%)
    None of the ingredients is listed.
  - Canadian Ingredient Disclosure list (limit 1%)
    None of the ingredients is listed.
- Other regulations, limitations and prohibitive regulations
  This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.
- Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Date of preparation / last revision 11/24/2014 / -
- Abbreviations and acronyms:
  ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  IMDG: International Maritime Code for Dangerous Goods
  DOT: US Department of Transportation
  IATA: International Air Transport Association
  ACGIH: American Conference of Governmental Industrial Hygienists
  EINECS: European Inventory of Existing Commercial Chemical Substances
  ELINCS: European List of Notified Chemical Substances
  CAS: Chemical Abstracts Service (division of the American Chemical Society)
  NFPA: National Fire Protection Association (USA)
  HMIS: Hazardous Materials Identification System (USA)
  WHMIS: Workplace Hazardous Materials Information System (Canada)
  VOC: Volatile Organic Compounds (USA, EU)
  Flamm. Gas 1: Flammable gases, Hazard Category 1
  Flamm. Aerosol 1: Flammable aerosols, Hazard Category 1
  Press. Gas: Gases under pressure: Compressed gas
  Asp. Tox. 1: Aspiration hazard, Hazard Category 1

Sources
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