

# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Product number** CA002C  
**Product name** Pro-Link Chewing Gum Remover  
**Effective date** 14-Oct-2009  
**Company information** Pro-Link Inc  
Ottawa Ontario, K1Z 1E9 Canada  
**Company phone** General Assistance 1-800-74-LINKS  
**Emergency telephone US** 800-424-9300  
**Emergency telephone outside US** 703-527-3887  
**Version #** 01

## 2. Hazards Identification

**Emergency overview** FLAMMABLE  
CONTENTS UNDER PRESSURE. Aerosol. Yields a flame projection at full valve opening or a flashback at any degree of valve opening. Will be easily ignited by heat, spark or flames.  
May be fatal if inhaled.

**Potential health effects**

**Routes of exposure** Eye contact. Skin contact. Ingestion.

**Eyes** Contact with eyes may cause irritation.

**Skin** Contact with skin may cause irritation.

**Inhalation** Intentional misuse by concentrating and inhaling the product can be harmful or fatal. May cause irritation of respiratory tract.

**Ingestion** Exposure by ingestion of an aerosol is unlikely. May cause stomach distress, nausea or vomiting. Components of the product may be absorbed into the body by ingestion.

**Target organs** Blood. Central nervous system. Eyes. Lungs. Skin.

**Chronic effects** Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

## 3. Composition / Information on Ingredients

| Components   | CAS #    | Percent      |
|--|----------|--------------|
| n-Butane   | 106-97-8 | 40 - 70      |
| Propane  | 74-98-6  | 15 - 40      |
| Ethyl Alcohol  | 64-17-5  | 5 - 10       |
| Non-hazardous and other components below reportable levels |          | 0.0001 - 0.1 |

## 4. First Aid Measures

### First aid procedures

**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes. If a contact lens is present, DO NOT delay irrigation or attempt to remove the lens. Continue rinsing. Call a physician or Poison Control Center immediately.

**Skin contact** Immediately flush skin with plenty of water. Remove and isolate contaminated clothing and shoes. Call a physician or Poison Control Center immediately. For minor skin contact, avoid spreading material on unaffected skin. Wash clothing separately before reuse.

**Inhalation** Move to fresh air. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a physician or Poison Control Center immediately.

**Ingestion**

If material is ingested, immediately contact a poison control center. Never give anything by mouth to a victim who is unconscious or is having convulsions. Do not induce vomiting without advice from poison control center. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

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| <b>5. Fire Fighting Measures</b> |
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| <b>Flammable properties</b>                                  | Flammable by WHMIS criteria. Vapors may travel to a source of ignition and flash back. Ruptured cylinders may rocket.  |
| <b>Extinguishing media</b>                                   |  |
| <b>Suitable extinguishing media</b>                          | Foam. Dry chemical. Carbon dioxide (CO <sub>2</sub> ). Do not use water jet.   |
| <b>Unsuitable extinguishing media</b>                        | Do not use a solid water stream as it may scatter and spread fire. Do not use water jet.   |
| <b>Protection of firefighters</b>                            |  |
| <b>Protective equipment and precautions for firefighters</b> | Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Containers should be cooled with water to prevent vapor pressure build up. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn. |
| <b>Unusual fire &amp; explosion hazards</b>                  | Flammable by WHMIS criteria. Vapors may travel to a source of ignition and flash back. Ruptured cylinders may rocket.  |

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| <b>6. Accidental Release Measures</b> |
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| <b>Methods for containment</b> | Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Stop the flow of material, if this is without risk. Prevent entry into waterways, sewers, basements or confined areas. Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). |
| <b>Methods for cleaning up</b> | Clean up in accordance with all applicable regulations. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.<br><br>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated surface thoroughly.  |

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| <b>7. Handling and Storage</b> |
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|-----------------|--|
| <b>Handling</b> | Pressurized container: Do not pierce or burn, even after use. Do not handle or store near an open flame, heat or other sources of ignition. When using do not smoke. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Do not use if spray button is missing or defective. Use only with adequate ventilation. Do not get this material in contact with eyes. Do not get this material in contact with skin. Do not get this material on clothing. Wash hands after handling and before eating. |
| <b>Storage</b>  | Level 3 Aerosol.<br>Contents under pressure. Do not puncture, incinerate or crush. The pressure in sealed containers can increase under the influence of heat. Do not handle or store near an open flame, heat or other sources of ignition. Do not expose to heat or store at temperatures above 120°F/49°C as can may burst. Avoid exposure to long periods of sunlight. Keep in an area equipped with sprinklers. Keep out of the reach of children. Do not store, incinerate, or heat this material above 120 degrees Fahrenheit.                            |

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| <b>8. Exposure Controls / Personal Protection</b> |
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**Exposure limits****ACGIH**

| Components    | CAS #    | TWA      | STEL            | Ceiling         |
|---------------|----------|----------|-----------------|-----------------|
| n-Butane      | 106-97-8 | 1000 ppm | Not established | Not established |
| Propane       | 74-98-6  | 1000 ppm | Not established | Not established |
| Ethyl Alcohol | 64-17-5  | 1000 ppm | Not established | Not established |

**Personal protective equipment**

**Eye / face protection**      Wear chemical goggles.

**Skin protection**

Wear appropriate chemical resistant gloves. Wear appropriate chemical resistant clothing. Wear chemical protective equipment that is specifically recommended by the manufacturer.

**Respiratory protection**

Wear positive pressure self-contained breathing apparatus (SCBA). If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

**9. Physical & Chemical Properties**

|   |                                |
|---|--------------------------------|
| <b>Appearance</b>                                     | Compressed liquefied gas.      |
| <b>Boiling point</b>                                  | 1.4 °F (-17.2 °C) estimated    |
| <b>Color</b>  | Colorless.                     |
| <b>Evaporation rate</b>                               | Not available                  |
| <b>Flammability (HOC)</b>                             | 41.9872 kJ/g estimated         |
| <b>Flammability limits in air, lower, % by volume</b> | Not available                  |
| <b>Flammability limits in air, upper, % by volume</b> | Not available                  |
| <b>Flash back</b>                                     | Yes                            |
| <b>Flash point</b>                                    | -156 °F (-104.4 °C) Propellant |
| <b>Form</b>   | Aerosol.                       |
| <b>Freezing point</b>                                 | Not available                  |
| <b>Odor</b>   | Pleasant.                      |
| <b>Odor threshold</b>                                 | Not available                  |
| <b>pH</b>   | Not Applicable                 |
| <b>Physical state</b>                                 | Gas.                           |
| <b>Pressure</b>                                       | 50 - 70 psig @ 70 F            |
| <b>Specific gravity</b>                               | 0.5743 estimated               |

**10. Chemical Stability & Reactivity Information**

|                            |  |
|----------------------------|--|
| <b>Chemical stability</b>  | Risk of ignition.  |
| <b>Conditions to avoid</b> | Heat, flames and sparks. Aerosol containers are unstable at temperatures above 49°C. |

**11. Toxicological Information**

|                             |  |
|-----------------------------|--|
| <b>Acute effects</b>        | Acute LC50: 489 mg/l/4h estimated, Rat, Inhalation |
| <b>Reproductive effects</b> | Possible reproductive hazard.                      |
| <b>Chronic toxicity</b>     | Not expected to be hazardous by WHMIS criteria.    |

**12. Ecological Information**

|                              |   |
|------------------------------|---|
| <b>Ecotoxicity</b>           | This material is not expected to be harmful to aquatic life.                                    |
| <b>Environmental effects</b> | An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. |

**13. Disposal Considerations**

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|------------------------------|--|
| <b>Disposal instructions</b> | Contents under pressure. Dispose of this material and its container at hazardous or special waste collection point. Do not incinerate sealed containers. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose in accordance with all applicable regulations. |
|------------------------------|--|

## 14. Transport Information

### Canadian Transportation of Dangerous Goods (TDG) Requirements

|                      |                            |
|----------------------|----------------------------|
| Proper shipping name | AEROSOLS, flammable        |
| Hazard class         | 2.1                        |
| UN number            | UN1950                     |
| Marine pollutant     | •                          |
| Special provisions   | 80 SOR/2002-306            |
| Packaging exceptions | If <1L: Consumer Commodity |



## 15. Regulatory Information

**Canadian regulations** This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

### Canada - WHMIS - Ingredient Disclosure List

|               |          |       |
|---------------|----------|-------|
| Ethyl Alcohol | 64-17-5  | 0.1 % |
| n-Butane      | 106-97-8 | 1 %   |

|                             |   |
|-----------------------------|---|
| <b>WHMIS status</b>         | Controlled  |
| <b>WHMIS classification</b> | A - Compressed Gas<br>B5 - Flammable/Combustible<br>D2B - Other Toxic Effects-TOXIC |

### WHMIS labeling



### Inventory status

| Country(s) or region        | Inventory name  | On inventory (yes/no)* |
|-----------------------------|---|------------------------|
| Australia                   | Australian Inventory of Chemical Substances (AICS)                | Yes                    |
| Canada                      | Domestic Substances List (DSL)                                    | Yes                    |
| Canada                      | Non-Domestic Substances List (NDSL)                               | No                     |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)        | Yes                    |
| Europe                      | European Inventory of New and Existing Chemicals (EINECS)         | Yes                    |
| Europe                      | European List of Notified Chemical Substances (ELINCS)            | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)          | Yes                    |
| Korea                       | Existing Chemicals List (ECL)                                     | No                     |
| New Zealand                 | New Zealand Inventory   | No                     |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | No                     |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                     | Yes                    |

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

## 16. Other Information

|                            |  |
|----------------------------|--|
| <b>Further information</b> | HMIS® is a registered trade and service mark of the NPCA.  |
| <b>HMIS® ratings</b>       | Health: 1*<br>Flammability: 4<br>Physical hazard: 0  |
| <b>Disclaimer</b>          | The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. |
| <b>Issue date</b>          | 14-Oct-2009  |
| <b>Prepared by</b>         | Regulatory Compliance  |