

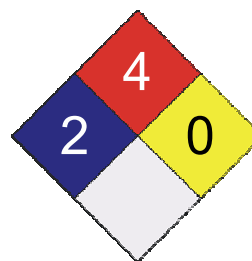
# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Product Name** 104 - Dutch Apple Spice Metered Air Freshener  
**CAS #** Mixture  
**Product Use** Air freshener  
**Manufacturer** Pro-Link, Inc.  
Ottawa, Ontario  
K1Z1E9  
Phone: 1-800.74.LINKS  
Emergency Phone: 1-866-836-8855

LEGEND HMIS/NFPA	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Health	/ 2
Flammability	4
Physical Hazard	0
Personal Protection	X



## 2. Hazards Identification

**Emergency Overview** DANGER  
Extremely flammable. Contents under pressure. Containers may explode when heated.  
EYE AND SKIN IRRITANT.

**Potential short term health effects**

**Routes of exposure** Eye, Skin contact, Skin absorption, Inhalation, Ingestion.

**Eyes** May cause irritation.

**Skin** May cause irritation. May be absorbed through the skin.

**Inhalation** Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness).

**Ingestion** May cause stomach distress, nausea or vomiting. Aspiration of material into lungs can cause chemical pneumonitis.

**Target organs** Eyes. Respiratory system. Skin.

**Chronic effects** Prolonged or repeated exposure can cause drying, defatting and dermatitis.

**Signs and symptoms** Symptoms may include redness, oedema, drying, defatting and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

## 3. Composition/Information on Ingredients

Ingredient(s)	CAS #	Percent
Propane	74-98-6	10 - 30
Butane	106-97-8	10 - 30
Apple spice fragrance	Mixture	3 - 7
Acetone	67-64-1	60 - 100

## 4. First Aid Measures

**First aid procedures**

**Eye contact** Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Obtain medical attention immediately.

**Skin contact** Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.

<b>Inhalation</b>	If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention. If breathing has stopped, trained personnel should administer CPR immediately.
<b>Ingestion</b>	Do not induce vomiting. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.
<b>Notes to physician</b>	Symptoms may be delayed.
<b>General advice</b>	Do not puncture or incinerate container. Keep away from sources of ignition. No smoking. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

## 5. Fire-fighting Measures

<b>Flammable properties</b>	Flammable Aerosol.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Carbon dioxide. Alcohol foam. Dry chemical. Foam. Water Fog.
<b>Unsuitable extinguishing media</b>	Not available
<b>Protection of firefighters</b>	
<b>Specific hazards arising from the chemical</b>	Contents under pressure. Pressurized container may explode when exposed to heat or flame. Cool containers with flooding quantities of water until well after fire is out.
<b>Protective equipment for firefighters</b>	Firefighters should wear full protective clothing including self contained breathing apparatus.
<b>Hazardous combustion products</b>	May include and are not limited to: Oxides of carbon. Phosgene.
<b>Explosion data</b>	
<b>Sensitivity to mechanical impact</b>	Not available
<b>Sensitivity to static discharge</b>	Not available

## 6. Accidental Release Measures

<b>Personal precautions</b>	Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.
<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. Prevent entry into waterways, sewers, basements or confined areas.
<b>Methods for cleaning up</b>	Before attempting clean up, refer to hazard data given above. Remove sources of ignition. Although the chance of a significant spill or leak is unlikely in aerosol containers, in the event of such an occurrence, absorb spilled material with a non-flammable absorbent such as sand or vermiculite.

## 7. Handling and Storage

<b>Handling</b>	Use good industrial hygiene practices in handling this material.
<b>Storage</b>	Keep out of reach of children. Do not store at temperatures above 49°C (120.2°F). Keep away from heat, open flames or other sources of ignition.

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## 8. Exposure Controls / Personal Protection

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### Exposure limit values

Ingredient(s)	Exposure limit values
Acetone	<b>ACGIH-TLV</b> TWA: 500 ppm STEL: 750 ppm
Apple spice fragrance	<b>ACGIH-TLV</b> Not established
Butane	<b>ACGIH-TLV</b> TWA: 1000 ppm
Propane	<b>ACGIH-TLV</b> TWA: 1000 ppm

### Engineering controls

General ventilation normally adequate.

### Personal protective equipment

#### Eye/Face protection

Wear safety glasses with side shields.

#### Hand protection

Rubber gloves. Confirm with a reputable supplier first.

#### Skin and body protection

As required by employer code.

#### Respiratory protection

Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.

#### General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands and face before breaks and immediately after handling the product.

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## 9. Physical and Chemical Properties

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Appearance	Compressed liquefied gas
Colour	Not available
Form	Spray
Odour	Apple spice
Odour threshold	Not available
Physical state	Gas
pH	Not available
Freezing point	Not available
Boiling point	Not available
Flash point	< -17.77 °C (< 0 °F) (Propellant)
Evaporation Rate	Slower than ether
Flammability limits in air, lower, % by volume	1.8
Flammability Limits in Air, Upper, % by Volume	12.8
Vapour pressure	413.7 kPa @ 21.1°C
Vapour density	Not available
Specific gravity	Not available
Octanol/water coefficient	Not available
Solubility (H <sub>2</sub> O)	Not available
Auto-ignition temperature	Not available
VOC (Weight %)	Not available
Viscosity	Not available

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## 10. Stability and Reactivity

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Chemical stability	Stable under recommended storage conditions.
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<b>Conditions to avoid</b>	Aerosol containers are unstable at temperatures above 49°C (120.2°F). Do not mix with other chemicals.
<b>Incompatible materials</b>	Acids. Strong oxidizing agents. Caustics.
<b>Hazardous decomposition products</b>	May include and are not limited to: Oxides of carbon. Phosgene.
<b>Possibility of hazardous reactions</b>	Hazardous polymerisation does not occur.

## 11. Toxicological Information

### Component analysis - LC50

Ingredient(s)	LC50
Acetone	39 mg/l/4h rat
Apple spice fragrance	Not available
Butane	658 mg/l/4h rat
Propane	658 mg/l/4h rat

### Component analysis - Oral LD50

Ingredient(s)	LD50
Acetone	5800 mg/kg rat; 5340 mg/kg rabbit; 3000 mg/kg mouse; 2857 mg/kg human
Apple spice fragrance	Not available
Butane	Not available
Propane	Not available

### Effects of acute exposure

<b>Eye</b>	May cause irritation.
<b>Skin</b>	May cause irritation. May be absorbed through the skin.
<b>Inhalation</b>	Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness).
<b>Ingestion</b>	May cause stomach distress, nausea or vomiting. Aspiration of material into lungs can cause chemical pneumonitis.

### Sensitisation

Non-hazardous by WHMIS criteria.

### Chronic effects

Non-hazardous by WHMIS criteria.

### Carcinogenicity

See below.

#### ACGIH - Threshold Limit Values - Carcinogens

Acetone	67-64-1	A4 - Not Classifiable as a Human Carcinogen
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### Mutagenicity

Non-hazardous by WHMIS criteria.

### Reproductive effects

Non-hazardous by WHMIS criteria.

### Teratogenicity

Non-hazardous by WHMIS criteria.

## 12. Ecological Information

**Ecotoxicity** Components of this product have been identified as having potential environmental concerns.

#### Ecotoxicity - Freshwater Fish Species Data

Acetone	67-64-1	96 Hr LC50 Pimephales promelas: 6210-8120 mg/L [static]
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#### Ecotoxicity - Microtox Data

Acetone	67-64-1	15 min EC50 Photobacterium phosphoreum: 14500 mg/L
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#### Ecotoxicity - Water Flea Data

Acetone	67-64-1	48 Hr EC50 water flea: 0.0039 mg/L; 48 Hr EC50 water flea: 12700 mg/L [Static]; 48 Hr EC50 Daphnia magna: 12600 mg/L
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**Environmental effects** Not available

**Aquatic toxicity** Not available

**Persistence and degradability** Not available

**Bioaccumulation/accumulation** Not available

**Partition coefficient** Not available

**Mobility in environmental media** Not available

**Chemical fate information** Not available

Other adverse effects

Not available

### 13. Disposal Considerations

Waste codes	Not available
Disposal instructions	Dispose in accordance with all applicable regulations.
Waste from residues / unused products	Not available
Contaminated packaging	Not available

### 14. Transport Information

#### Transportation of Dangerous Goods (TDG - Canada)

**Basic shipping requirements:**

Proper shipping name	Aerosols, flammable
Hazard class	2.1
UN number	1950
Additional information:	
Special provisions	80
Packaging exceptions	<1L - Consumer Commodity



### 15. Regulatory Information

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

**Canada - CEPA - High Priority Chemicals as Identified by DSL Categorization**

Butane	106-97-8	Batch 4, published November 17, 2007
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**Canada - WHMIS - Ingredient Disclosure List**

Acetone	67-64-1	1 %
Butane	106-97-8	1 %

**WHMIS classification** Class A - Compressed Gas, Class B - Division 5; Flammable Aerosol, Class D - Division 2B

**WHMIS status** Controlled

**WHMIS labeling**



**Inventory Status**

Country(s) or region	Inventory Name	On Inventory (Yes/No)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No

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

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## 16. Other Information

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**Disclaimer**

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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