

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product number YA012C
Product name Pro-Link Canadian Pine Dry Air & Fabric Deodorizer
Effective date 17-Sep-2010
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 # 04
Supersedes date 28-Feb-2008
Expiry Date 15-Sep-2013

2. Hazards Identification

Emergency overview Aerosol. FLAMMABLE
CONTENTS UNDER PRESSURE. Will be easily ignited by heat, spark or flames.

Potential health effects

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

Eyes Contact may irritate or burn eyes.

Skin Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash). Health injuries are not known or expected under normal use.

Inhalation Intentional misuse by concentrating and inhaling the product can be harmful or fatal.

Ingestion Exposure by ingestion of an aerosol is unlikely.

Target organs Central nervous system. Eyes. Respiratory system. Skin.

3. Composition / Information on Ingredients

Components	CAS #	Percent
Propane	74-98-6	15 - 40
n-Butane	106-97-8	15 - 40
Synthetic Isoparaffinic Hydrocarbon	64742-47-8	15 - 40
Ethyl Alcohol	64-17-5	3 - 7
Isopropyl Alcohol	67-63-0	0.5 - 1.5
Non-hazardous and other components below reportable levels		0.5 - 1.5

4. First Aid Measures

First aid procedures

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention immediately.

Skin contact Immediately flush skin with plenty of water. Remove and isolate contaminated clothing and shoes. Get medical attention 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.

Ingestion Do not induce vomiting without medical advice. 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.

5. Fire Fighting Measures

Flammable properties	Flammable by WHMIS criteria. Vapors may travel to a source of ignition and flash back.
Extinguishing media	
Suitable extinguishing media	Water fog. Foam. Dry chemical. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Do not use a solid water stream as it may scatter and spread fire.
Protection of firefighters	
Protective equipment and precautions for firefighters	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. Cool containers with flooding quantities of water until well after fire is out. Some of these materials, if spilled, may evaporate leaving a flammable residue.
Unusual fire & explosion hazards	Flammable by WHMIS criteria. Vapors may travel to a source of ignition and flash back.

6. Accidental Release Measures

Methods for containment	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.
Methods for cleaning up	Clean up in accordance with all applicable regulations. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated surface thoroughly.

7. Handling and Storage

Handling	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 breathe gas/fumes/vapor/spray. Do not get this material on clothing.
Storage	Level 3 Aerosol. Contents under pressure. Do not puncture, incinerate or crush. Avoid exposure to long periods of sunlight. Keep the container dry. Keep in an area equipped with sprinklers. Keep out of the reach of children.

8. Exposure Controls / Personal Protection

Exposure limits

ACGIH

Components	CAS #	TWA	STEL	Ceiling
Propane	74-98-6	1000 ppm	Not established	Not established
n-Butane	106-97-8	1000 ppm	Not established	Not established
Ethyl Alcohol	64-17-5	1000 ppm	1000 ppm	Not established
Isopropyl Alcohol	67-63-0	200 ppm	400 ppm	Not established

Personal protective equipment

Eye / face protection	Wear chemical goggles.
Skin protection	Protective gloves. Wear chemical protective equipment that is specifically recommended by the manufacturer.
Respiratory protection	Wear positive pressure self-contained breathing apparatus (SCBA).

9. Physical & Chemical Properties

Appearance	Not available
Boiling point	105.8 °F (41.1 °C) estimated
Color	Colorless.
Evaporation rate	Not available
Flammability (HOC)	41.84 kJ/g estimated

Flammability limits in air, lower, % by volume	Not available
Flammability limits in air, upper, % by volume	Not available
Flash back	No
Flash point	-156 °F (-104.4 °C) estimated
Form	Aerosol.
Freezing point	Not available
Odor	fruity
Odor threshold	Not available
pH	Not applicable
Physical state	Liquid.
Pressure	65 - 75 psig @ 70F
Specific gravity	0.6071 estimated

10. Chemical Stability & Reactivity Information

Chemical stability	Risk of ignition. Stable at normal conditions.
Conditions to avoid	Avoid high temperatures.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological Information

Acute effects	Acute LD50: 6872 mg/kg estimated, Rat, Dermal Acute LC50: 17 mg/l/4h estimated, Rat, Inhalation	
Component analysis - LD50		
Toxicology Data - Selected LD50s and LC50s		
Ethyl Alcohol	64-17-5	Oral LD50 Rat 7060 mg/kg
Isopropyl Alcohol	67-63-0	Inhalation LC50 Rat 72.6 mg/L 4 h; Oral LD50 Rat 4396 mg/kg; Dermal LD50 Rat 12800 mg/kg; Dermal LD50 Rabbit 12870 mg/kg
n-Butane	106-97-8	Inhalation LC50 Rat 658 mg/L 4 h
Propane	74-98-6	Inhalation LC50 Rat 658 mg/L 4 h
Synthetic Isoparaffinic Hydrocarbon	64742-47-8	Inhalation LC50 Rat >5.2 mg/L 4 h; Oral LD50 Rat >5000 mg/kg; Dermal LD50 Rabbit >2000 mg/kg
Sensitization	Not expected to be hazardous by WHMIS criteria.	
Carcinogenicity	Not expected to be hazardous by WHMIS criteria.	
ACGIH - Threshold Limit Values - Carcinogens		
Ethyl Alcohol	64-17-5	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans
Isopropyl Alcohol	67-63-0	A4 - Not Classifiable as a Human Carcinogen
IARC - Group 1 (Carcinogenic to Humans)		
Ethyl Alcohol	64-17-5	Monograph 96 [in preparation] (in alcoholic beverages)
Mutagenicity	Not expected to be hazardous by WHMIS criteria.	
Teratogenicity	Not expected to be hazardous by WHMIS criteria.	
Chronic toxicity	Not expected to be hazardous by WHMIS criteria.	

12. Ecological Information

Ecotoxicity	LC50 155 mg/L, Fish, 96.00 Hours, Components of this product have been identified as having potential environmental concerns.
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13. Disposal Considerations

Disposal instructions	Contents under pressure. Do not allow this material to drain into sewers/water supplies. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose in accordance with all applicable regulations.
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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 %
Isopropyl Alcohol	67-63-0	1 %
n-Butane	106-97-8	1 %

WHMIS status	Controlled
WHMIS classification	A - Compressed Gas B5 - Flammable/Combustible D2A - Other Toxic Effects-VERY TOXIC 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)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of New and Existing Chemicals (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
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

Disclaimer	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.
Prepared by	Regulatory Compliance