

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product number YA040
Product name Pro Link Dust Remover
Effective date 30-Dec-2010
Company information Pro Link Inc
Ottawa, Ontario K1Z 1E9 Canada
Company phone General Assistance 1.800.74.LINKS
Emergency telephone US 1-866-836-8855
Emergency telephone outside US 703-527-3887
Version # 11
Supersedes date 30-Sep-2010
Expiry Date 31-Dec-2011

2. Hazards Identification

Emergency overview Aerosol. Heat may cause the containers to explode. CONTENTS UNDER PRESSURE. Prolonged exposure may cause chronic effects. Health injuries are not known or expected under normal use.

Potential health effects

Eyes Contact with liquefied gas may cause frostbite.

Skin Contact with liquefied gas may cause frostbite. Health injuries are not known or expected under normal use.

Inhalation Intentional misuse by concentrating and inhaling the product can be harmful or fatal. Excessive inhalation of this material causes headache, dizziness, nausea and incoordination.

Ingestion Exposure by ingestion of an aerosol is unlikely. Small amounts of this product, if aspirated into the lungs, may cause mild to severe pulmonary injury. Health injuries are not known or expected under normal use.

3. Composition / Information on Ingredients

Components	CAS #	Percent
1,1,1,2-Tetrafluoroethane	811-97-2	65 - 100
Non-hazardous and other components below reportable levels		0.1 - 1

Composition comments This product is considered not hazardous under 29 CFR 1910.1200 (Hazard Communication).

4. First Aid Measures

First aid procedures

Eye contact Rinse with water. Get medical attention if irritation develops or persists.

Skin contact Rinse with water. Get medical attention if irritation develops or persists.

Inhalation If symptoms develop move victim to fresh air. Get medical attention if symptoms persist.

Ingestion In the unlikely event of swallowing contact a physician or poison control center.

5. Fire Fighting Measures

Flammable properties Heat may cause the containers to explode. Ruptured cylinders may rocket. Not flammable by WHMIS criteria.

Extinguishing media

Suitable extinguishing media Large Fires: Water spray, fog or regular foam.
Small Fires:

Protection of firefighters

Protective equipment and precautions for firefighters

Containers should be cooled with water to prevent vapor pressure build up. 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. Do not direct water at source of leak or safety devices as icing may occur. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Unusual fire & explosion hazards

Heat may cause the containers to explode. Ruptured cylinders may rocket. Not flammable by WHMIS criteria.

6. Accidental Release Measures

Methods for containment

Stop leak if you can do so without risk. If possible, turn leaking containers so that gas escapes rather than liquid. 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, sewer, basements or confined areas.

Methods for cleaning up

Clean up in accordance with all applicable regulations. Ventilate the area. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. After removal flush contaminated area thoroughly with water.

7. Handling and Storage

Handling

Pressurized container: Do not pierce or burn, even after use. When using do not smoke. DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. 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. Do not re-use empty containers.

Storage

Contents under pressure. Do not puncture, incinerate or crush. Keep away from heat and sources of ignition. Avoid exposure to long periods of sunlight. Keep at temperature not exceeding 49 °C. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Keep out of the reach of children. Level 1 Aerosol (NFPA 30B)

8. Exposure Controls / Personal Protection

Personal protective equipment

Eye / face protection

Not normally needed.

Skin protection

Not normally needed.

Respiratory protection

No personal respiratory protective equipment normally required. If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

9. Physical & Chemical Properties

Appearance

Compressed liquefied gas.

Boiling point

-13 °F (-25 °C) estimated

Color

None known.

Evaporation rate

Not available

Flammability (HOC)

0.247 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

None

Form

Compressed gas.

Freezing point

Not available

Odor

None.

Odor threshold

Not available

pH

Not applicable

Physical state

Liquid.

Pressure 100 - 110 psig @70F
Solubility (H2O) Not miscible.
Specific gravity 1.2036

10. Chemical Stability & Reactivity Information

Chemical stability Risk of ignition. Material is stable under normal conditions.
Conditions to avoid Aerosol containers are unstable at temperatures above 49°C.
Incompatible materials None known.
Hazardous decomposition products No hazardous decomposition products are known.

11. Toxicological Information

Component analysis - LD50

Toxicology Data - Selected LD50s and LC50s

1,1,1,2-Tetrafluoroethane 811-97-2 Inhalation LC50 Rat 1500 g/m3 4 h

Sensitization Not expected to be hazardous by WHMIS criteria.
Mutagenicity Not expected to be hazardous by WHMIS criteria.
Reproductive effects 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. Prolonged exposure may cause chronic effects.

12. Ecological Information

Ecotoxicity This product has no known eco-toxicological effects.

13. Disposal Considerations

Disposal instructions Contents under pressure. Do not puncture, incinerate or crush. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations.

14. Transport Information

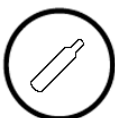
Canadian Transportation of Dangerous Goods (TDG) Requirements

Proper shipping name REFRIGERANT GAS R 134a; or
1,1,1,2-TETRAFLUOROETHANE
Hazard class 2.2
UN number UN3159
Packaging exceptions If <0.125L: 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.
WHMIS status Controlled
WHMIS classification A - Compressed Gas
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)	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
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. The information in the sheet was written based on the best knowledge and experience currently available.

MSDS sections updated

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Hazards Identification: Emergency overview
First Aid Measures: Ingestion
Accidental Release Measures: Containment procedures
Toxicological Information: Carcinogenicity
Transport Information: Agency Name and Packaging Type/Transport Mode Selection

Prepared by

Regulatory Compliance