

# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Product number** XA008C  
**Product name** Pro-Link Solvent Cleaner & Degreaser  
**Effective date** 16-Aug-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 #** 07  
**Supersedes date** 23-Jul-2009  
**Expiry Date** 31-Aug-2013

## 2. Hazards Identification

**Emergency overview** Aerosol. Contents under pressure. TOXIC. Irritating to eyes and skin. Irritating to respiratory system. Cancer hazard. Prolonged exposure may cause chronic effects.

**Potential health effects**

**Routes of exposure** 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. May cause cancer by inhalation.

**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** Kidney. Central nervous system. Liver. 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
Trichloroethylene	79-01-6	65 - 100
Carbon Dioxide	124-38-9	1 - 5

## 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** If symptoms develop move victim 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.

## 5. Fire Fighting Measures

<b>Flammable properties</b>	Ruptured cylinders may rocket.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Water. Water fog. Foam. Dry chemical. Carbon dioxide (CO2).
<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. Do not direct water at source of leak or safety devices; icing may occur. 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.
<b>Unusual fire &amp; explosion hazards</b>	Ruptured cylinders may rocket.

## 6. Accidental Release Measures

<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. 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, sewers, basements or confined areas.
<b>Methods for cleaning up</b>	Clean up in accordance with all applicable regulations. Should not be released into the environment. Ventilate the contaminated 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 contaminated surface thoroughly. After removal flush contaminated area thoroughly with water.

## 7. Handling and Storage

<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. Wear personal protective equipment. Wash hands after handling and before eating. Avoid prolonged exposure.
<b>Storage</b>	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. Keep in an area equipped with sprinklers. Keep out of the reach of children. Level 1 Aerosol (NFPA 30B) Do not store, incinerate, or heat this material above 120 degrees Fahrenheit.

## 8. Exposure Controls / Personal Protection

### Exposure limits

#### ACGIH

Components	CAS #	TWA	STEL	Ceiling
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Trichloroethylene	79-01-6	10 ppm	25 ppm	Not established
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Carbon Dioxide	124-38-9	5000 ppm	30000 ppm	Not established
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### Personal protective equipment

#### Eye / face protection

Wear chemical goggles.

#### Skin protection

Wear appropriate chemical resistant clothing. Protective gloves. 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>	186.8 °F (86.1 °C) estimated

<b>Color</b>	Colorless.
<b>Evaporation rate</b>	Not available
<b>Flammability (HOC)</b>	0 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>	No
<b>Flash point</b>	None
<b>Form</b>	Compressed gas. Aerosol.
<b>Freezing point</b>	Not available
<b>Odor</b>	Characteristic.
<b>Odor threshold</b>	Not available
<b>pH</b>	Not applicable
<b>Physical state</b>	Liquid.
<b>Pressure</b>	72 - 92 psig @70F
<b>Specific gravity</b>	1.4646 estimated

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	Stable at normal conditions.
<b>Conditions to avoid</b>	Aerosol containers are unstable at temperatures above 49°C. Heat, flames and sparks.
<b>Hazardous decomposition products</b>	Irritants. Toxic gas.

## 11. Toxicological Information

<b>Acute effects</b>	Acute LC50: 8282 mg/l/4h estimated, Rat, Inhalation	
<b>Component analysis - LD50</b>		
<b>Toxicology Data - Selected LD50s and LC50s</b>		
Trichloroethylene	79-01-6	Inhalation LC50 Rat 8000 ppm 4 h; Inhalation LC50 Rat 26300 ppm 1 h; Oral LD50 Rat 4290 mg/kg; Dermal LD50 Rabbit >20 g/kg
<b>Sensitization</b>	Not expected to be hazardous by WHMIS criteria.	
<b>Carcinogenicity</b>	Hazardous by WHMIS criteria. Cancer hazard.	
<b>ACGIH - Threshold Limit Values - Carcinogens</b>		
Trichloroethylene	79-01-6	A2 - Suspected Human Carcinogen
<b>IARC - Group 2A (Probably Carcinogenic to Humans)</b>		
Trichloroethylene	79-01-6	Monograph 63 [1995]; Supplement 7 [1987]
<b>Mutagenicity</b>	Not expected to be hazardous by WHMIS criteria.	
<b>Teratogenicity</b>	Not expected to be hazardous by WHMIS criteria.	
<b>Chronic toxicity</b>	Hazardous by WHMIS criteria. Prolonged exposure may cause chronic effects.	

## 12. Ecological Information

<b>Ecotoxicity</b>	Components of this product are hazardous to aquatic life.  LC50 42.13 mg/L estimated, Fish, 96.00 Hours, EC50 2.28 mg/L estimated, Daphnia, 48.00 Hours,
<b>Environmental effects</b>	Harmful to aquatic life.

## 13. Disposal Considerations

<b>Disposal instructions</b>	Contents under pressure. Do not puncture, incinerate or crush. Dispose of this material and its container at hazardous or special waste collection point. Do not allow this material to drain into sewers/water supplies. Dispose in accordance with all applicable regulations.
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## 14. Transport Information

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

<b>Proper shipping name</b>	AEROSOLS, non-flammable, containing substances in Class 6.1, packing group III
<b>Hazard class</b>	2.2
<b>Subsidiary hazard class</b>	6.1
<b>UN number</b>	UN1950
<b>Marine pollutant</b>	•
<b>Special provisions</b>	80 SOR/2002-306
<b>Packaging exceptions</b>	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.

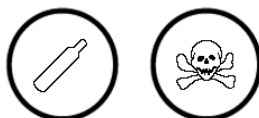
### Canada - WHMIS - Ingredient Disclosure List

Carbon Dioxide	124-38-9	1 %
Trichloroethylene	79-01-6	1 %

**WHMIS status** Controlled

**WHMIS classification** A - Compressed Gas  
D1B - Immediate/Serious-TOXIC  
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)	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)	Yes
New Zealand	New Zealand Inventory	Yes
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 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.

### MSDS sections updated

Product and Company Identification: Product Review  
Regulatory Information: United States

