

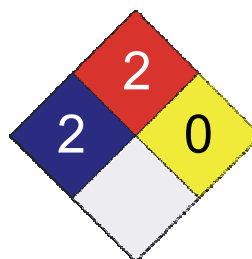
# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Product Name** 966 – WY902C Pro Link Penetrating Oil  
**CAS #** Mixture  
**Product Use** Lubricant  
**Manufacturer** Pro-Link, Inc.  
Ottawa, ON K1Z 1E9  
Canada  
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	2
Physical Hazard	0
Personal Protection	X



## 2. Hazards Identification

**Emergency Overview** DANGER  
Contents under pressure. Containers may explode when heated.  
Toxic.  
CONTAINS MATERIAL WHICH MAY CAUSE CANCER.  
Contains a potential mutagen.  
EYE AND SKIN IRRITANT.

**Potential short term health effects**

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

**Eyes** Causes irritation.

**Skin** May cause irritation.

**Inhalation** Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness). This product may be fatal if it is inhaled.

**Ingestion** Not a normal route of exposure. May cause stomach distress, nausea or vomiting.

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

**Chronic effects** Chronic exposure to trichloroethylene may cause liver, kidney, central nervous system and peripheral nervous system 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 are prostration, gasping, pallor, and uncoordinated movements. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

## 3. Composition/Information on Ingredients

Ingredient(s)	CAS #	Percent
Carbon dioxide	124-38-9	1 - 5
Distillates (petroleum), light hydrotreated	64742-47-8	15 - 40
Trichloroethylene	79-01-6	40 - 70

## 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** Immediately flush with 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. Rinse mouth with water, then drink one or two glasses of water. Obtain medical attention. Never give anything by mouth if victim is unconscious, or is convulsing.
<b>Notes to physician</b>	Symptoms may be delayed.
<b>General advice</b>	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. Immediate medical attention is required.

## 5. Fire-fighting Measures

<b>Flammable properties</b>	Not flammable by WHMIS criteria. Containers may explode when heated.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Carbon dioxide. Water Fog. Dry chemical. Foam.
<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. Hydrogen chloride.
<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. Large Spills: Wet down with water and dike for later disposal. After removal flush contaminated area thoroughly with water.

## 7. Handling and Storage

<b>Handling</b>	Use good industrial hygiene practices in handling this material. Do not get this material in your eyes, on your skin, or on your clothing.
<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 limits Ingredient(s)	Exposure limits
Carbon dioxide	<b>ACGIH-TLV</b> TWA: 5000 ppm STEL: 30000 ppm
Distillates (petroleum), light hydrotreated	<b>ACGIH-TLV</b> Not established
Trichloroethylene	<b>ACGIH-TLV</b> TWA: 10 ppm STEL: 25 ppm
<b>Engineering controls</b>	General ventilation normally adequate. Provide adequate ventilation.
<b>Personal protective equipment</b>	
<b>Eye/Face protection</b>	Wear safety glasses with side shields.
<b>Hand protection</b>	Rubber gloves. Confirm with a reputable supplier first.
<b>Skin and body protection</b>	As required by employer code.
<b>Respiratory protection</b>	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.
<b>General hygiene considerations</b>	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 & Chemical Properties

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<b>Appearance</b>	Compressed liquefied gas
<b>Colour</b>	Clear brown
<b>Form</b>	Spray
<b>Odour</b>	Solvent
<b>Odour threshold</b>	Not available
<b>Physical state</b>	Gas
<b>pH</b>	Not available
<b>Freezing point</b>	Not available
<b>Boiling point</b>	124.00 °C (255.2 °F)
<b>Flash point</b>	> 70.55 °C (> 159 °F) (Concentrate)
<b>Evaporation Rate</b>	Not available
<b>Flammability</b>	16.35 kJ/g
<b>Flammability limits in air, lower, % by volume</b>	Not available
<b>Flammability Limits in Air, Upper, % by Volume</b>	Not available
<b>Vapour pressure</b>	618 kPa
<b>Vapour density</b>	Not available
<b>Specific gravity</b>	1.1143 (Concentrate)
<b>Octanol/water coefficient</b>	Not available
<b>Solubility (H2O)</b>	Negligible
<b>Auto-ignition temperature</b>	Not available
<b>VOC (Weight %)</b>	Not available
<b>Viscosity</b>	Negligible
<b>Percent volatile</b>	Not available

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## 10. Chemical Stability & Reactivity Information

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<b>Chemical stability</b>	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. Oxidizers.
<b>Hazardous decomposition products</b>	May include and are not limited to: Oxides of carbon. Hydrogen chloride.
<b>Possibility of hazardous reactions</b>	Hazardous polymerisation does not occur.

## 11. Toxicological Information

### Component analysis - LC50

Ingredient(s)	LC50
Carbon dioxide	Not available
Distillates (petroleum), light hydrotreated	5.2 mg/l/4h rat
Trichloroethylene	8450 ppm mouse; 8000 mg/l/4h rat

### Component analysis - Oral LD50

Ingredient(s)	LD50
Carbon dioxide	Not available
Distillates (petroleum), light hydrotreated	5000 mg/kg rat
Trichloroethylene	2402 mg/kg mouse; 4290 mg/kg rat

### Effects of acute exposure

<b>Eye</b>	Causes irritation.
<b>Skin</b>	May cause irritation.
<b>Inhalation</b>	Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness). This product may be fatal if it is inhaled.
<b>Ingestion</b>	Not a normal route of exposure. May cause stomach distress, nausea or vomiting.
<b>Sensitisation</b>	Non-hazardous by WHMIS criteria.
<b>Local effects</b>	Very toxic by inhalation.
<b>Chronic effects</b>	Chronic exposure to trichloroethylene may cause liver, kidney, central nervous system and peripheral nervous system effects.
<b>Carcinogenicity</b>	Hazardous by WHMIS criteria. Contains a potential carcinogen.
<b>ACGIH - Threshold Limits 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>	Hazardous by WHMIS criteria. Contains a potential mutagen.
<b>Reproductive effects</b>	Non-hazardous by WHMIS criteria.
<b>Teratogenicity</b>	Non-hazardous by WHMIS criteria.

## 12. Ecological Information

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

#### Ecotoxicity - Freshwater Algae Data

Trichloroethylene 79-01-6 96 Hr EC50 Scenedesmus subspicatus: 450 mg/L

#### Ecotoxicity - Freshwater Fish Species Data

Distillates (petroleum), light hydrotreated 64742-47-8 96 Hr LC50 Pimephales promelas: 45 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 1740 mg/L [static]

Trichloroethylene 79-01-6 96 Hr LC50 Pimephales promelas: 40.7 mg/L [flow-through]; 96 Hr LC50 Brachydanio rerio: 60 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 45 mg/L [static]

#### Ecotoxicity - Microtox Data

Trichloroethylene 79-01-6 5 min EC50 Photobacterium phosphoreum: 975 mg/L; 10 min EC50 Photobacterium phosphoreum: 115 mg/L; 15 min EC50 Photobacterium phosphoreum: 190 mg/L; 24 Hr EC50 Tetrahymena pyriformis: 410 mg/L; 24 Hr EC50 Bacillus subtilis: 235 mg/L; 24 Hr EC50 Nitrosomonas: 0.81 mg/L

#### Ecotoxicity - Water Flea Data

Distillates (petroleum), light hydrotreated 64742-47-8 96 Hr LC50 Den-dronereides heteropoda: 4720 mg/L

Trichloroethylene 79-01-6 48 Hr EC50 Daphnia magna: 2.2 mg/L

**Environmental effects** Not available

<b>Aquatic toxicity</b>	Not available
<b>Persistence and degradability</b>	Not available
<b>Bioaccumulation/accumulation</b>	Not available
<b>Partition coefficient</b>	Not available
<b>Mobility in environmental media</b>	Not available
<b>Chemical fate information</b>	Not available

### 13. Disposal Considerations

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

### 14. Transport Information

#### Transportation of Dangerous Goods (TDG)

##### Basic shipping requirements:

<b>Proper shipping name</b>	AEROSOLS, non-flammable, containing substances in Class 6.1, packing group III
<b>Hazard class</b>	2.2 (6.1)
<b>UN number</b>	UN1950
<b>Additional information:</b>	
<b>Special provisions</b>	80
<b>Packaging exceptions</b>	<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.

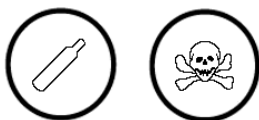
#### Canada - WHMIS - Ingredient Disclosure List

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

**WHMIS classification** Class A - Compressed Gas, Class D - Division 1B, 2A, 2B

**WHMIS status** Controlled

#### WHMIS labeling



**Inventory Status**

<b>Country(s) or region</b>	<b>Inventory Name</b>	<b>On Inventory (Yes/No)*</b>
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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