SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	1182301	**COMPANY PHONE:**	1-800-241-8180
PRODUCT NAME:	ELECTRO SOLV II	**EMERGENCY TELEPHONE:**	1-800-535-5053
PRODUCT DESCRIPTION:	Aerosol Safety Solvent	**INFOTRAC:**	1-800-535-5053
COMPANY INFORMATION:	**PRO CHEM, INC.** 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION:
Carcinogenicity - Category 1B
Germ Cell Mutagenicity - Category 2
Sensitization – Skin – Category 1B
Skin Irritation - Category 2
Eye Irritation - Category 2
Specific Target Organ Toxicity (Single Exposure) - Category 3
Gasses under pressure – Compressed gas

SIGNAL WORD:
DANGER

SYMBOL:

HAZARD STATEMENTS:

Keep out of reach of children.
Read label and SDS before use.
Contains gas under pressure; may explode if heated.
May cause cancer; suspected of causing genetic defects (route of exposure: inhalation)
May cause drowsiness or dizziness.
Causes skin irritation
May cause an allergic skin reaction.
Causes serious eye irritation.

PRECAUTIONARY STATEMENTS

PREVENTION:

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe mist/vapors/spray.
Use only outdoors or in a well-ventilated area.
Pressurized container: Do not pierce or burn, even after use.
Wash hands and face thoroughly after handling.
Wear protective gloves, clothing, and eye protection.
Do not eat, drink or smoke when using this product.
Contaminated clothing must not be allowed out of the workplace.

RESPONSE:

IF SWALLOWED: Immediately call a poison center or a doctor. Do NOT induce vomiting.
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation or rash occurs get medical attention.
Take off contaminated clothing and wash before reuse.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
If eye irritation persists: Get medical attention.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a poison center or doctor if you feel unwell.
If EXPOSED or CONCERNED: Get medical attention.

STORAGE:

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
Store in a well-ventilated place.
Store locked up.

DISPOSAL:

Dispose of contents and container in accordance with all local, regional, and national regulations.

HAZARDS NOT OTHERWISE SPECIFIED:

Not applicable

3. Composition / Information on Ingredients

Chemical Name	CAS	% By Weight
TRICHLOROETHYLENE	79-01-6	95% - 100%
Carbon Dioxide	124-38-9	1% - 5%

4. First Aid Measures

EMERGENCY OVERVIEW

DANGER. Contents under pressure. Harmful or fatal if swallowed. Vapor harmful. Keep away from heat and flame. Can cause nervous system depression.

EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs get medical attention. Take off contaminated clothing and wash it before reuse.
INHALATION: Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.
INGESTION: May be harmful or fatal if swallowed. Seek medical attention immediately.

5. Fire-Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:

Use water spray, fog or foam.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of subsequent explosion. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion. Bursting aerosol containers may be propelled from a fire at high speed.

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS:

Hydrogen Chloride, Carbon Dioxide, Carbon Monoxide

SPECIFIC FIRE-FIGHTING METHODS:

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS:

Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in a positive pressure mode.

6. Accidental Release Measures

PERSONAL PRECAUTIONS:

Put on appropriate personal protective equipment (see section 8)

ENVIRONMENTAL PRECAUTIONS:

Stop all leaks. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Disperse vapors with water spray. Prevent runoff from entering drains, sewers, streams or other bodies of water. Absorb spill with inert material. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal.

7. Handling and Storage

Do not use or store near heat, sparks or open flame. Exposure to temperatures above 120 F may cause bursting. Do not puncture or incinerate container. Store in a cool, dry place. Do not get in eyes, on skin or on clothing. Intentional misuse by deliberately concentrating and inhaling may be harmful or fatal. Keep out of reach of children.

8. Exposure Controls / Personal Protection

Trichloroethylene(79-01-6)

OSHA PEL	100 ppm TWA 8 hours	200 ppm CEIL
ACGIH TLV	10 ppm TWA 8 hours	25 ppm STEL 15 min

PERSONAL PROTECTIVE EQUIPMENT:

Eye Protection: Wear safety glasses or goggles.
Skin Protection: To prevent repeated or prolonged contact, wear impervious gloves (made from rubber, nitrile or neoprene).
Respiratory Protection: When respiratory protection is required use an organic vapor cartridge. A respiratory program that meets OSHA's 29 CFR 1910.34 & ANSI Z88.2requirements must be followed.

ENGINEERING CONTROLS:

Good general ventilation required.

9. Physical & Chemical Properties

Appearance:	Clear spray/mist	**Melting/Freezing Point:**	Not available.
Odor:	Solvent	**Auto Ignition Temp:**	Not available.
Boiling Point:	Not available.	**Color:**	Colorless
Decomposition Temperature:	Not available.	**Evaporation Rate:**	6.4 (Butyl Acetate=1)
Explosive Limit Ranges:	Not available.	**Explosive Properties:**	Not available.
Flash Point:	Not available.	**Odor Threshold:**	Not available.
Other Information:	VOC content (wt. %): 98	**Oxidizing Properties:**	Not available.
Partition Coeff:	Not available.	**Physical State:**	Liquid
Relative Density:	1.45	**Solubility (water):**	Insoluble
Vapor Density:	4.5 (air=1)	**Vapor Pressure:**	60 mm Hg @ 20 C
Viscosity:	Not available.	**pH:**	Not available.

10. Stability & Reactivity Information

REACTIVITY:
Under normal conditions of storage and use, hazardous reactions will not occur.
CHEMICAL STABILITY:
Stable under normal conditions.
INCOMPATIBLE MATERIALS:
Alkalis, strong oxidizers, chemically active metals (aluminum, lithium, magnesium)
CONDITIONS TO AVOID:
High temperatures, open flames, sparks, welding. .
HAZARDOUS DECOMPOSITION PRODUCTS:
Hydrogen chloride, CO, CO2

11. Toxicological Information

LIKELY ROUTE OF EXPOSURE:
Skin contact, inhalation
ACUTE/POTENTIAL HEALTH EFFECTS:
EYES: May cause serious eye irritation. Symptoms include stinging, tearing and redness.
SKIN: May cause skin irritation. Prolonged or repeated contact may dry the skin and cause sensitization. Symptoms may include redness, burning, drying of skin and skin burns.
INHALATION: High vapor/aerosol concentrations (>1000 ppm) are irritating to the eyes and respiratory tract. May cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death. May cause peripheral nervous system disorder and/or damage.
INGESTION: Harmful or fatal if swallowed.

CHRONIC / LONG TERM EFFECTS: Possible cancer hazard. Damage to liver and other organs has been observed in workers who have been overexposed.

Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Signs and Symptoms of Overexposure: Signs and symptoms of overexposure to this material through breathing, swallowing, and/or passage of material through the skin may include: stomach or intestinal upset (nausea vomiting, diarrhea) irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness).

TARGET ORGAN EFFECTS: Central nervous system, skin, liver.

REPRODUCTIVE/DEVELOPMENTAL INFORMATION: Human mutation data has been reported for Trichloroethylene.

CARCINOGENIC INFORMATION: Trichloroethylene: NIOSH - occupational carcinogen; OSHA: possible Select carcinogen; IARC: Group 2A carcinogen. WARNING: This product can expose you to Trichloroethylene which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

ACUTE TOXICITY VALUES:
Trichloroethylene: Inhalation - LC50, 4 hr, mouse 8450 ppm; Oral - LD50, mouse 2402 mg/Kg.

12. Ecological Information

Trichloroethylene: LC50, Fathead minnow, 96 hr, 40.7 mg/l

13. Disposal Consideration

Waste must be disposed of in accordance with federal, state and local environmental control regulations. See label for further instructions.

14. Transportation Information

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

UN number	1950
Proper shipping name	Aerosols, nonflammable
Class	2.2
Packing group	-

15. Regulatory Information

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act)
Trichloroethylene
CERCLA RQ (40 CFR 302)
Trichloroethylene 100 LB
Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 (40 CFR 372.65)
Trichloroethylene

If identified components of this product are **CERCLA** hazardous substances and/or listed under **Sections 302, 304, or 313 of Title III** of the Superfund Amendments and Reauthorization Act (SARA) of 1986 (also known as EPCRA, the Emergency Planning and Community Right-To-Know Act), or under **California Proposition 65** (Safe Drinking Water and Toxic Enforcement Act), they are listed above in Section 15 of this SDS.

If identified components of this product are listed under Section 313, this product contains toxic chemicals subject to the reporting requirements of Section

313. This information must be included in all SDS that are copied and distributed for this Material.

Title III Section 311/312 Hazardous Categories - 40 CFR 370.2:
ACUTE (X) Chronic (X) Fire (X) Pressure (X) Reactive ( ) Not Applicable ( )

T.S.C.A. Status: All chemical substances found in this product comply with the Toxic Substances Control Act inventory reporting requirements.

RCRA Status: Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. If this product becomes hazardous waste it would be assigned RCRA Code(s)

U228, F001 or D040

16. Other Information

DISCLAIMER:
This Manufacturer believes that the information contained in the Safety Data Sheet is accurate. The suggested procedures are based on experience as of the date of the publication. They are not necessarily all inclusive nor fully adequate in every circumstance. Also, the suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements.