






SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	1494	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	PRO TOOLS NF SOLVENT DEGREASER	EMERGENCY TELEPHONE:	1-800-241-8180
PRODUCT DESCRIPTION:	Aerosol Non-Flammable Degreaser	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION: Compressed Gas: H280 Skin Irrit: Category 2 H315 Eye Irrit: Category 2A H319 Muta: Category 2 H341 Carc: Category 1B H350 STOT SE: Category 3 H336 Full text of H-phrases: see Section 16	SIGNAL WORD: DANGER	SYMBOL:			
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HAZARD STATEMENTS:

Contains gas under pressure; may explode if heated.
Causes skin irritation.
Causes serious eye irritation.
May cause drowsiness or dizziness.
Suspected of causing genetic defects (Inhalation).
May cause cancer (Inhalation).

PRECAUTIONARY STATEMENTS:

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Avoid breathing mist, spray, vapors.
Wash thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Wear protective gloves, protective clothing, eye protection, face protection.
IF ON SKIN: Wash with plenty of soap and water.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If exposed or concerned: Get medical advice/attention Call a doctor, a POISON CENTER if you feel unwell.
Specific treatment (see First aid measures on this label)
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
Storage: Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight.
Disposal: Dispose of contents/container to comply with local/regional/national/international regulations.

HAZARDS NOT OTHERWISE SPECIFIED:

No additional information available.

UNKNOWN ACUTE TOXICITY (GHS US):

Not applicable.

3. Composition / Information on Ingredients

CHEMICAL NAME	CAS	CONCENTRATION % by WEIGHT	CLASSIFICATION (GHS-US)
trichloroethylene, trichloroethene	79-01-6	90-100	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Muta. 2, H341 Carc. 18, H350 STOT SE 3, H336 Aquatic Chronic 3, H412
carbon dioxide, liquefied, under pressure	124-38-9	2.5-10	Not classified.

4. First Aid Measures

EMERGENCY OVERVIEW

GENERAL: If you feel unwell, seek medical advice (show the label where possible). If exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this sheet where possible.

EYES: Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

SKIN: Take off contaminated clothing and wash it before reuse. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

INHALATION:

Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

INGESTION:

Ingestion unlikely. Do NOT induce vomiting. Get medical attention immediately if symptoms occur.

SYMPTOMS/INJURIES AFTER INHALATION:
 May be narcotic if inhaled. Headache. Fatigue. Dizziness. Nausea.

SYMPTOMS/INJURIES AFTER SKIN CONTACT:
 Causes skin irritation. Red skin.

SYMPTOMS/INJURIES AFTER EYE CONTACT:
 Causes serious eye irritation. Redness of the eye tissue.

SYMPTOMS/INJURIES AFTER INGESTION:
 May be harmful if swallowed.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:
 Treat symptomatically. Keep watching the victim. Symptoms may be delayed.

5. Fire-Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:
 Dry chemical powder. Water fog. Foam. Carbon dioxide. Adapt extinguishing media to the environment.

UNSUITABLE FIRE EXTINGUISHING MEDIA:
 Do not use a water jet since it may cause the fire to spread.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:
Fire Hazard: Under fire conditions, closed containers may rupture or explode.
Explosion Hazard: Contains gas under pressure; may explode if heated.
Reactivity: Thermal decomposition may produce: hazardous gases. Hydrogen chloride.

SPECIFIC FIRE-FIGHTING METHODS:
 In case of fire: Stop leak, if safe to do so. Do not move the load if exposed to heat. Move containers away from the fire area, if this can be done without risk. Use water spray or fog for cooling exposed containers. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:
 Do not enter fire area without proper protective equipment, including respiratory protection.

6. Accidental Release Measures

PERSONAL PRECAUTIONS:
General: Evacuate unnecessary personnel. Stay upwind/keep distance from source. Isolate from fire, if possible, without unnecessary risk. Special attention should be given to low areas/pits where flammable vapors can accumulate. Avoid inhalation of product.
Non-emergency Personnel:
 Protective Equipment: Do not enter without appropriate protective equipment. Extra personal protection: self-contained breathing apparatus. DO NOT touch spilled material.
 Emergency Procedures: Ventilate the area thoroughly, especially low lying areas (basements, work pits etc.). Advice local authorities if considered necessary.
Emergency Responders:
 Protective Equipment: Equip cleanup crew with proper protection.
 Emergency Procedures: Ventilate area. Stop release. Stop leak if safe to do so.

ENVIRONMENTAL PRECAUTIONS:
 Absorb and/or contain spill with inert material, then place in suitable container. Prevent runoff from entering drains, sewers, or waterways. Avoid release to the environment. Eliminate every possible source of ignition. Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak, if safe to do so. Move the cylinder to a safe and open area, if the leak is irreparable. Clean up any spills as soon as possible, using an absorbent material to collect it. Prevent the product from entering drains or confined areas. Following product recovery, flush area with water.

METHODS FOR CLEANING UP:
 Take up liquid spill into inert absorbent material.

REFERENCE TO OTHER SECTIONS:
 No additional information available.

7. Handling and Storage

SAFE HANDLING:
 Pressurized container: Do not pierce or burn, even after use. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing mist, vapors. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Do not use if spray button is missing or defective. Do not spray on a naked flame or any incandescent material. Do not smoke while handling product. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Ground/bond container and receiving equipment. Do not reuse empty containers. Do not get in eyes, on skin, or on clothing. Use only outdoors or in a well-ventilated area. Reduce/avoid exposure and/or contact. Use personal protective equipment as required. Observe normal hygiene standards.

SAFE STORAGE & INCOMPATIBILITIES:
 Technical measures: Do not puncture, incinerate, or crush.
 Storage conditions: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Store in a well-ventilated place. Keep out of reach of children.
 Heat-ignition: KEEP SUBSTANCE AWAY FROM: Ignition sources. Heat sources.
 Storage Area: Aerosol 1. Store in a cool area. Store away from heat. Keep locked up.

8. Exposure Controls / Personal Protection

carbon dioxide, liquefied, under pressure (124-38-9)		
ACGIH	ACGIH TWA (ppm)	5000 ppm (Carbon dioxide; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
ACGIH	ACGIH STEL (ppm)	30000 ppm (Carbon dioxide; USA; Short time value; TLV - Adopted Value)
trichloroethylene, trichloroethene (79-01-6)		
ACGIH	ACGIH TWA (ppm)	10 ppm
ACGIH	ACGIH STEL (ppm)	25 ppm
ACGIH	Remark (ACGIH)	CNS impair; cognitive decrements

PERSONAL PROTECTIVE EQUIPMENT:

MATERIALS FOR PROTECTIVE CLOTHING: Chemical resistant apron.

EYE/FACE PROTECTION: Protective goggles.

SKIN PROTECTION: Protective gloves. Protective clothing. Chemical resistant apron.

RESPIRATORY PROTECTION: Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.

THERMAL HAZARDS: Use appropriate personal protective equipment when risk assessment indicates this is necessary.

GENERAL: When using, do not smoke. Use good personal hygiene practices. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Take off contaminated clothing and wash before reuse.

ENGINEERING CONTROLS:

Ensure good ventilation of the workstation. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Emergency eyewash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Gloves. Protective goggles. Protective clothing.

9. Physical & Chemical Properties

Appearance:	Aerosol. Clear, colorless liquid.	Flammability(solid/gas):	No data available.
Physical State:	Gas.	Oxidizing Properties:	No data available.
Odor:	Characteristic.	Explosion Limits:::	No data available.
Odor Threshold:	No data available.	Explosive Properties:	No data available.
pH:	No data available.	Relative Vapor Density @ 20°C):	No data available.
Melting/Freezing Point:	No data available.	Vapor Pressure:	No data available.
Boiling Point/Range:	188.95°F estimated.	Relative Density:	No data available.
Viscosity:	No data available.	Solubility (water):	Insoluble in water.
Flash Point:	None estimated.	Auto-Ignition Temperature:	No data available.
Specific Gravity:	1.47 g/cm ³ estimated	Decomposition Temperature:	No data available.
Relative Evaporation Rate (butyl acetate=1):	No data available.	VOC Content:	<97% estimated.
Viscosity (kinematic):	No data available.	Log Pow:	No data available.
Viscosity (dynamic):	No data available.	Log Kow:	No data available.

10. Stability & Reactivity Information**REACTIVITY:**

Thermal decomposition may produce hazardous gases and hydrogen chloride.

CHEMICAL STABILITY:

Stable under normal conditions.

HAZARDOUS POLYMERIZATION:

Does not occur.

INCOMPATIBLE MATERIALS:

Strong oxidizing agents.

CONDITIONS TO AVOID:

Heat. Sparks. Open flame. No flames, no sparks. Eliminate all sources of ignition. Incompatible materials.

HAZARDOUS DECOMPOSITION PRODUCTS:

No additional information available.

11. Toxicological Information**ACUTE TOXICITY:**

Not classified.

SKIN CORROSION/IRRITATION:

Causes skin irritation.

SERIOUS EYE DAMAGE/EYE IRRITATION:

Causes serious eye irritation.

RESPIRATORY OR SKIN SENSITIZATION:

May cause an allergic skin reaction.

GERM CELL MUTAGENICITY:

Suspected of causing genetic defects (Inhalation).

CARCINOGENICITY:

May cause cancer (Inhalation).

trichloroethylene, trichloroethene (79-01-6)

IARC Group:

2A—Probably carcinogenic to humans.

National Toxicology Program (NTP) Status:

3—Reasonably anticipated to be human carcinogen.

REPRODUCTIVE TOXICITY:

Not classified.

SPECIFIC TARGET ORGAN TOXICITY -single exposure:

May cause drowsiness or dizziness.

SPECIFIC TARGET ORGAN TOXICITY -repeated exposure:

Not classified.

ASPIRATION HAZARD:

Not classified.

SYMPTOMS/INJURIES AFTER INHALATION:
May be narcotic if inhaled. Headache. Fatigue. Dizziness. Nausea.

SYMPTOMS/INJURIES AFTER SKIN CONTACT:
Causes skin irritation. Red skin.

SYMPTOMS/INJURIES AFTER EYE CONTACT:
Causes serious eye irritation. Redness of the eye tissue.

SYMPTOMS/INJURIES AFTER INGESTION:
May be harmful if swallowed.

LIKELY ROUTES OF EXPOSURE:
Inhalation. Dermal.

12. Ecological Information

TOXICITY:
carbon dioxide, liquefied, under pressure (124-38-9)
LC50 fish 1: 35 mg/l (LC50; 96 h; Salmo gairdneri)



PERSISTENCE AND DEGRADABILITY:
carbon dioxide, liquefied, under pressure (124-38-9)
Persistence and degradability: Biodegradability: Not applicable. Not applicable (gas).
Biochemical oxygen demand (BOD): Not applicable.
Chemical oxygen demand (COD): Not applicable.
ThOD: Not applicable.

BIOACCUMULATIVE POTENTIAL:
carbon dioxide, liquefied, under pressure (124-38-9)
LOG POW: 0.83 (Experimental value)
Bioaccumulative potential: Bioaccumulation: not applicable.

13. Disposal Consideration

Contents under pressure. Do not puncture, incinerate, or crush. Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Dispose in a safe manner in accordance with local/national regulations. Do not discharge into the sewer. Handle unclean empty containers as full ones. This material and its container must be disposed of in a safe manner. Empty containers should be taken for recycle, recovery, or waste in accordance with local regulation. Do not reuse empty containers.

14. Transportation Information

DOT: **TRANSPORTATION DOCUMENT DESCRIPTION:** UN1950 Aerosols (poison, Packing Group III (each not exceeding 1 L capacity)), 2.2, III
UN NUMBER: UN1950
UN PROPER SHIPPING NAME: Aerosols.
TRANSPORT HAZARD CLASS(ES): 2.2 - Non-flammable compressed gas 49 CFR 173.115.  
Class: 2.2 - Non-flammable gas
Subsidiary risk: -
Label(s): 2.2 - Non-flammable gas.
6.1 - Poison inhalation hazard.

PACKING GROUP: III - Minor Danger.
PACKAGING EXCEPTIONS: 306
PACKAGING NON-BULK: None.
PACKAGING BULK: None.
PASSENGER AND CARGO AIRCRAFT: Forbidden.
CARGO AIRCRAFT ONLY: Forbidden.
VESSEL STOWAGE LOCATION: A
VESSEL STOWAGE OTHER: 48 - Stow "away from" sources of heat, 87 - Stow "separated from" Class 1 (explosives) except Division 14,126 - Segregation same as for Class 9, miscellaneous hazardous materials.

ADDITIONAL INFORMATION:
This product may be eligible to be shipped as a Limited Quantity or Consumer Commodity ORM-D utilizing the exception found at 49 CFR 173.306.

ADR: No additional information available.

IATA: **UN NUMBER:** UN1950
UN PROPER SHIPPING NAME: Aerosols, non-flammable, containing substances in Division 6.1, PG III.
TRANSPORT HAZARD CLASS(ES):
Class: 2.2-Gases: non-flammable, non-toxic.
Subsidiary risk: -
Label(s): 6.1
PACKING GROUP: III

IMDG: **UN NUMBER:** UN1950
UN PROPER SHIPPING NAME: AEROSOLS
TRANSPORT HAZARD CLASS(ES):
Class: 2.2 - Non-flammable, non-toxic gases.
Subsidiary risk: -
Label(s): 6.1

15. Regulatory Information

All components are on the U.S. EPA TSCA Inventory List. This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. Chemical(s) subject to the reporting requirements of Section 313 or Title 111 of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

trichloroethylene, trichloroethene CAS: 79-01-6 90-100

trichloroethylene, trichloroethene (79-01-6)

Listed on SARA Section 313 (Specific toxic chemical listings).

RO (Reportable quantity, section 304 of EPA's List of Lists): 100 lbs

California Proposition 65 –

This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer and/or reproductive toxicity.

16. Other Information

Training Advice:

Normal use of this product shall imply use in accordance with the instructions on the packaging.

Full text of H-phrases:

Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard Category 3

Carc 1B: Carcinogenicity Category 1B

Compressed gas: Gases under pressure Compressed gas

Eye Irrit. 2A: Serious eye damage/eye irritation Category 2A

Muta. 2: Germ cell mutagenicity Category 2

Skin Irrit. 2 Skin corrosion/irritation Category 2

STOT SE 3: Specific target organ toxicity (single exposure) Category 3

H280: Contains gas under pressure; may explode if heated

H315: Causes skin irritation

H317: May cause an allergic skin reaction

H319: Causes serious eye irritation

H336: May cause drowsiness or dizziness

H341: Suspected of causing genetic defects

H350: May cause cancer

H412: Harmful to aquatic life with long lasting effects

NFPA	Health Hazards: 2	Flammability: 1	Instability: 0	Physical & Chemical Properties:
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NFPA Health Hazard: 2-Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

NFPA Fire Hazard: 1-Must be preheated before ignition can occur.

NFPA Reactivity: 0-Normally stable, even under fire exposure conditions and are not reactive with water

DISCLAIMER:

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.