



SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	1498	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	PRO TOOLS NF AIR DUSTER	EMERGENCY TELEPHONE:	1-800-241-8180
PRODUCT DESCRIPTION:	Aerosol duster for removing dust from delicate surfaces	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION: Gasses under pressure - Compressed gas Simple Asphyxiant	SIGNAL WORD: WARNING	SYMBOL:	
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HAZARD STATEMENTS:

Keep out of reach of children.
Read label and SDS before use.
Contains gas under pressure; may explode if heated.
May displace oxygen and cause rapid suffocation.
May cause frostbite.

PRECAUTIONARY STATEMENTS:

Prevention:

Do not handle until all safety precautions have been read and understood.
Do not get in eyes, on skin, or on clothing.
Use only outdoors or in a well-ventilated area.
Keep away from heat, sparks, open flames and hot surfaces. . -No smoking.
Do not spray on an open flame or other ignition source.
Pressurized container: Do not pierce or burn, even after use.
Storage: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

HAZARDS NOT OTHERWISE SPECIFIED:

Asphyxiant in high concentrations.

3. Composition / Information on Ingredients

CHEMICAL NAME	CAS	Concentration % by Weight
1,1,1,2-Tetrafluoroethane	811-97-2	<= 100

4. First Aid Measures

EMERGENCY OVERVIEW

WARNING: Asphyxiant in high concentrations: may displace oxygen and cause rapid suffocation. May cause frostbite. Contents under pressure. Keep away from heat and flame.

EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Get immediate medical attention.

SKIN: Wash with lukewarm water. Treat for frostbite if necessary. If skin irritation 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:

Not considered a potential route of exposure.

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. Bursting aerosol containers may be propelled from a fire at high speed. Gas may accumulate in confined areas and displace oxygen causing suffocation.

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS:

Fluorine, Carbonyl fluoride.

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 FIREFIGHTERS:

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). Gas may accumulate in confined areas and displace oxygen causing suffocation.

ENVIRONMENTAL PRECAUTIONS AND CLEAN-UP METHODS:

Stop all leaks. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Disperse vapors with water spray.

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

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 Z88.2 requirements must be followed.

ENGINEERING CONTROLS:

Good general ventilation required.

9. Physical & Chemical Properties

Appearance:	Clear spray/mist	Explosive Limit Ranges:	Not available.
Physical State:	Gas.	Flash Point:	Not applicable.
Color:	Colorless	Evaporation Rate:	Not available.
Odor:	Ethereal.	Vapor Pressure:	592 kPa absolute @ 70 F
Odor Threshold:	Not available.	Solubility (water):	1930 mg/l
pH:	Not applicable.	Auto-Ignition Temperature:	Not available.
Melting/Freezing Point:	-101 C / -103 C	Decomposition Temperature:	Not available.
Boiling Point:	-26.5 C	VOC Content (wt %):	100
Partition Coeff (n-octanol/water):	Not available.	Explosive Properties:	Not available.
Oxidizing Properties:	Not available.	Relative Density:	1.2
Vapor Density:	0.27 lb/ft ³	Viscosity:	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:

ALUMINUM.

CONDITIONS TO AVOID:

High temperatures, open flames, sparks, welding.

DECOMPOSITION PRODUCTS:

Fluorine, Carbonyl fluoride.

Vapors may ignite at temperatures exceeding flash point.

11. Toxicological Information

PRIMARY ROUTE OF ENTRY:

Inhalation, skin contact.

ACUTE/POTENTIAL HEALTH EFFECTS:

EYES: May cause eye irritation and damage due to frostbite.

SKIN: May cause frostbite.

INHALATION: Asphyxiant in high concentrations: may displace oxygen and cause rapid suffocation.

INGESTION: Not considered a potential route of exposure.

CHRONIC / LONG TERM EFFECTS:

None known.

TARGET ORGAN EFFECTS:

None known.

REPRODUCTIVE/DEVELOPMENTAL INFORMATION:

Not available.

CARCINOGENIC INFORMATION:

This material is not listed as a carcinogen by IARC, NTP or OSHA.

ACUTE TOXICITY VALUES:

LC50 Inhalation, rat, 1500 g/m³, 4 hr.

12. Ecological Information

Not available.

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

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 () Fire () 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) None.

16. Other Information

N/A = Not Applicable; N/D = Not Determined

HMIS	Health Hazards: 2	Flammability: 0	Physical hazards: 0	Personal protection: G
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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.