



# SAFETY DATA SHEET

## 1. Product and Company Identification

<b>PRODUCT NUMBER:</b>	1622	<b>COMPANY PHONE:</b>	1-800-241-8180
<b>PRODUCT NAME:</b>	KNOCK IT OFF	<b>EMERGENCY TELEPHONE:</b>	1-800-241-8180
<b>PRODUCT DESCRIPTION:</b>	Aerosol Safety Solvent and Nonflammable Brake Parts Cleaner	<b>INFOTRAC:</b>	1-800-535-5053
<b>COMPANY INFORMATION:</b>	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

## 2. Hazards Identification

<b>GHS CLASSIFICATION:</b> <b>Physical Hazards:</b> Gases under pressure: Compressed gas <b>Health Hazards:</b> Carcinogenicity: Category 2 <b>Environmental Hazards:</b> Acute hazards to the aquatic environment: Category 2	<b>SIGNAL WORD:</b> <b>WARNING</b>	<b>SYMBOL:</b>		
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### HAZARD STATEMENTS:

Contains gas under pressure; may explode if heated. Suspected of causing cancer. Toxic to aquatic life.

### PRECAUTIONARY STATEMENTS:

**Prevention:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.

**Response:** IF EXPOSED OR CONCERNED: Get medical advice/attention.

**Storage:** Store locked up. Protect from sunlight. Store in a well-ventilated place.

**Disposal:** Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

### HAZARDS NOT OTHERWISE SPECIFIED:

None.

## 3. Composition / Information on Ingredients

Chemical Name	CAS	Concentration % by Weight
Tetrachloroethylene	127-18-4	50 - <100%
Carbon Dioxide	124-38-9	1 - <5%
Methane, tetrachloro-	56-23-5	0.1 - <1%

\*All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

**COMPOSITION COMMENTS:** The components are not hazardous or are below required disclosure limits. The exact concentration has been withheld as a trade secret.

## 4. First Aid Measures

### EMERGENCY OVERVIEW:

**EYES:** Rinse immediately with plenty of water.

**SKIN:** Remove contaminated clothing and wash the skin thoroughly with soap and water after work.

### INHALATION:

Move to fresh air.

### INGESTION:

Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.

### PERSONAL PROTECTION FOR FIRST-AID RESPONDERS:

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

### MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

**Symptoms:** No data available.

**Hazards:** No data available.

### INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

**Treatment:** Symptoms may be delayed.

## 5. Fire-Fighting Measures

### GENERAL FIRE HAZARDS:

No unusual fire or explosion hazards noted.

### SUITABLE FIRE EXTINGUISHING MEDIA:

Use fire-extinguishing media appropriate for surrounding materials.

### UNSUITABLE FIRE EXTINGUISHING MEDIA:

Do not use water jet as an extinguisher, as this will spread the fire.

### SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

During fire, gases hazardous to health may be formed.

### SPECIFIC FIRE-FIGHTING METHODS:

No data available.

### SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

## 6. Accidental Release Measures

### PERSONAL PRECAUTIONS:

No data available.

### ACCIDENTAL RELEASE MEASURES:

Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk.

### MATERIALS AND METHODS FOR CLEANUP:

Absorb spill with vermiculite or other inert material, then place in a container for chemical waste.

### ENVIRONMENTAL PRECAUTIONS:

Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.

## 7. Handling and Storage

### SAFE HANDLING:

**Technical Measures (e.g. Local and general ventilation):** No data available.

**Safe Handling Advice:** Wash hands thoroughly after handling. Do not handle until all safety precautions have been read and understood.

Obtain special instructions before use. Use personal protective equipment as required.

**Contact Avoidance Measures:** No data available.

### SAFE STORAGE AND INCOMPATIBILITIES:

**Safe Storage Conditions:** Store locked up. Aerosol Level 1

**Safe Packaging Materials:** No data available.

**Storage Temperature:** No data available.

## 8. Exposure Controls / Personal Protection

### CONTROL PARAMETERS:

#### Occupational Exposure Limits:

CHEMICAL IDENTITY	TYPE	EXPOSURE LIMIT VALUES		SOURCE
Tetrachloroethylene	TWA	25 ppm	170 mg/m <sup>3</sup>	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	TWA	25 ppm		US. ACGIH Threshold Limit Values, as amended
	TWA	100 ppm		US. OSHA Table Z-2 (29 CFR 1910.1000), as amended
	MAX. CONC	300 ppm		US. OSHA Table Z-2 (29 CFR 1910.1000), as amended
	STEL	100 ppm		US. ACGIH Threshold Limit Values, as amended
	Ceiling	200 ppm		US. OSHA Table Z-2 (29 CFR 1910.1000), as amended
Carbon dioxide	TWA	5,000 ppm		US. ACGIH Threshold Limit Values, as amended
	STEL	30,000 ppm		US. ACGIH Threshold Limit Values, as amended
	STEL	30,000 ppm	54,000 mg/m <sup>3</sup>	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	REL	5,000 ppm	9,000 mg/m <sup>3</sup>	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	PEL	5,000 ppm	9,000 mg/m <sup>3</sup>	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended
Methane, tetrachloro-	TWA	10,000 ppm	18,000 mg/m <sup>3</sup>	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	STEL	30,000 ppm	54,000 mg/m <sup>3</sup>	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	STEL	2 ppm	12.6 mg/m <sup>3</sup>	US. NIOSH: Pocket Guide to Chemical Hazards, as amended
	TWA	5 ppm		US. ACGIH Threshold Limit Values, as amended
	STEL	10 ppm		US. ACGIH Threshold Limit Values, as amended
	TWA	10 ppm		US. OSHA Table Z-2 (29 CFR 1910.1000), as amended
	Ceiling	25 ppm		US. OSHA Table Z-2 (29 CFR 1910.1000), as amended
	TWA	2 ppm	12.6 mg/m <sup>3</sup>	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended
	MAX. CONC	200 ppm		US. OSHA Table Z-2 (29 CFR 1910.1000), as amended

### BIOLOGICAL LIMIT VALUE:

CHEMICAL IDENTITY	EXPOSURE LIMIT VALUES	SOURCE
Tetrachloroethylene (tetrachloroethylene: Sampling time: Prior to shift.)	(End-exhaled air) 0.5 mg/l (Blood)	ACGIH BEL ACGIH BEL

### EXPOSURE GUIDELINES:

Methane, tetrachloro-	US. ACGIH Threshold Limit Values, as amended	Can be absorbed through the skin.
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### APPROPRIATE ENGINEERING CONTROLS:

No data available.

### INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT:



**Eye Protection:** Wear goggles/face shield.

**Skin Protection: Hand protection:** No data available. **Skin and Body Protection:** No data available.

**Respiratory Protection:** In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.

**General Hygiene Considerations:** Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.

## 9. Physical & Chemical Properties

<b>Physical State:</b>	Liquid.	<b>Flammability (solid/gas):</b>	Noncombustible Liquid, but decomposes in a fire to hydrogen chloride and phosgene
<b>Form:</b>	Spray Aerosol.	<b>Explosive Limit – lower (%):</b>	No data available.
<b>Color:</b>	No data available.	<b>Explosive Limit – upper (%):</b>	No data available.
<b>Odor:</b>	Ethereal.	<b>Vapor Pressure:</b>	No data available.
<b>Odor Threshold:</b>	No data available.	<b>Vapor Density (air=1):</b>	No data available.
<b>pH:</b>	No data available.	<b>Relative Density:</b>	No data available.
<b>Freezing Point:</b>	Estimated -22°C	<b>Solubility (water):</b>	No data available.
<b>Boiling Point:</b>	Estimated 121.4°C (101.325 kPa)	<b>Solubility (other):</b>	water: 0.2 g/l
<b>Partition Coeff (n-octanol/water):</b>	No data available.	<b>Self-Ignition Temperature:</b>	No data available.
<b>Kinematic Viscosity:</b>	No data available.	<b>Decomposition Temperature:</b>	No data available.
<b>Dynamic Viscosity:</b>	Estimated 891 mPa.s (20°C)	<b>Evaporation Rate:</b>	No data available.
<b>Flash Point:</b>	No data available.	<b>Oxidizing Properties:</b>	No data available.
<b>Explosive Properties:</b>	No data available.	<b>Density:</b>	No data available.

## 10. Stability & Reactivity Information

### REACTIVITY:

No data available.

### CHEMICAL STABILITY:

Material is stable under normal conditions.

### POSSIBILITY OF HAZARDOUS REACTIONS:

No data available.

### INCOMPATIBLE MATERIALS:

Strong oxidizers; chemically-active metals such as lithium, beryllium and barium; caustic soda; sodium hydroxide; potash.

### CONDITIONS TO AVOID:

Avoid heat or contamination.

### HAZARDOUS DECOMPOSITION PRODUCTS:

No data available.

## 11. Toxicological Information

### PRIMARY ROUTE OF ENTRY:

**Eyes:** No data available.

**Skin:** No data available.

**Inhalation:** No data available.

**Ingestion:** No data available.

### SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS:

**Eyes:** No data available.

**Skin:** No data available.

**Inhalation:** No data available.

**Ingestion:** No data available.

### INFORMATION ON TOXICOLOGICAL EFFECTS:

**Acute toxicity (list all possible routes of exposure)**

**Oral Product:** ATEmix: 68,368.28 mg/kg

**Dermal Product:** ATEmix: 227,894.26 mg/kg

**Inhalation Product:** ATEmix: 2,278.94 mg/l Vapour

ATEmix: 205.1 mg/l Dusts, mists and fumes

### REPEATED DOSE TOXICITY:

**Product:** No data available.

**Components:**

Tetrachloroethylene LOAEL (Rat(Female, Male), Inhalation, 103 Weeks): 200 ppm(m) Inhalation Experimental result, Key study

LOAEL (Mouse(Female), Oral, 78 - 90 Weeks): 390 mg/kg Oral Experimental result, Key study

Methane, tetrachloro-

LOAEL (Mouse(Female, Male), Inhalation): 64 mg/m<sup>3</sup> Inhalation Experimental result, Key study

### SKIN CORROSION/IRRITATION:

**Product:** No data available.

**Components:** Tetrachloroethylene Not classified as an Irritant.

### SERIOUS EYE DAMAGE/IRRITATION:

**Product:** No data available.

### RESPIRATORY/SKIN SENSITIZATION:

**Product:** No data available.

**Components:** Tetrachloroethylene Not sensitising

### CARCINOGENICITY:

**Product:** No data available.

**Components:**

Tetrachloroethylene: Suspect cancer hazard - may cause cancer.

Methane, tetrachloro-: Suspect cancer hazard - may cause cancer.

### IARC Monographs. Overall Evaluation of Carcinogenicity:

Methane, tetrachloro-: Overall evaluation: 2B. Possibly carcinogenic to humans.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):** No carcinogenic components identified.

**US. National Toxicology Program (NTP) Report on Carcinogens:**

Methane, tetrachloro-: Overall evaluation: 2B. Possibly carcinogenic to humans.

### GERM CELL MUTAGENICITY:

**In vitro Product:** No data available.

**In vivo Product:** No data available.

**REPRODUCTIVE TOXICITY:**

**Product:** No data available.

**SPECIFIC TARGET ORGAN TOXICITY (single exposure):**

**Product:** No data available.

**SPECIFIC TARGET ORGAN TOXICITY (repeated exposures):**

**Product:** No data available.

**Components:**

Methane, tetrachloro-: Inhalation - vapor: Liver, Kidney - Category 1

**ASPIRATION HAZARD:**

**Product:** No data available.

**OTHER EFFECTS:**

No data available.

**12. Ecological Information****ECOTOXICITY:****Acute hazards to the aquatic environment:****Fish**

**Product:** No data available.

**Components:**

Tetrachloroethylene LC 50 (Oncorhynchus mykiss, 96 h): 5 mg/l Experimental result, Key study

**Aquatic Invertebrates:**

**Product:** No data available.

**Components:**

Tetrachloroethylene LC 50 (Daphnia magna, 48 h): 9 - 18 mg/l Experimental result, Key study

Methane, tetrachloro- LC 50 (Water flea (Daphnia magna), 24 h): > 770 mg/l Mortality

**Chronic hazards to the aquatic environment:****Fish**

**Product:** No data available.

**Components:**

Tetrachloroethylene NOAEL (Oncorhynchus mykiss): 0.098 mg/l QSAR QSAR, Key study.

Methane, tetrachloro- LC 50 (Pimephales promelas): 16.25 mg/l Experimental result, Supporting study

**Aquatic Invertebrates:**

**Product:** No data available.

**Components:**

Tetrachloroethylene NOAEL (Daphnia magna): 510 µg/l Experimental result, Key study

Methane, tetrachloro- LOAEL (Daphnia magna): 5.6 mg/l Experimental result, Key study

**Toxicity to Aquatic Plants:**

**Product:** No data available.

**PERSISTENCE AND DEGRADABILITY:**

**Biodegradation Product:** No data available.

**Components:**

Tetrachloroethylene 11% (28 d) Detected in water. Experimental result, Supporting study

Methane, tetrachloro- 100% Detected in water. Experimental result, Weight of Evidence study

**BOD/COD RATIO:**

**Product:** No data available.

**BIOACCUMULATIVE POTENTIAL:****Bioconcentration Factor (BCF)**

**Product:** No data available.

**Components:**

Tetrachloroethylene Lepomis macrochirus, Bioconcentration Factor (BCF): 49 Aquatic sediment Experimental result, Key study

Methane, tetrachloro- Bluegill (Lepomis macrochirus), Bioconcentration Factor (BCF): 30 (Flow through)

**PARTITION COEFFICIENT N-OCTANOL / WATER (LOG KOW):**

**Product:** No data available.

**MOBILITY IN SOIL:**

No data available.

**Components:**

Tetrachloroethylene No data available.

Carbon dioxide No data available.

Methane, tetrachloro- No data available.

**OTHER ADVERSE EFFECTS:**

Toxic to aquatic organisms.

**13. Disposal Consideration****DISPOSAL INSTRUCTIONS:**

Discharge, treatment or disposal may be subject to national, state or local laws.

**CONTAMINATED PACKAGING:**

No data available.

## 14. Transportation Information

**DOT:** UN Number: UN1950  
UN Proper Shipping Name: Aerosols, nonflammable.  
Transport Hazard Class(es)  
Class: 2.2  
Label(s): -  
Packing Group: II



**IATA:** UN Number: UN1950  
UN Proper Shipping Name: Aerosols, nonflammable.  
Transport Hazard Class(es)  
Class: 2.2  
Label(s): -  
EmS No.:

Packing Group: -  
Special Precautions for User: Not regulated.

**Other Information:**

Passenger and Cargo Aircraft: Allowed. 203

Cargo Aircraft Only: Allowed. 203

**IMDG:** UN NUMBER: UN1950  
UN Proper Shipping Name: Aerosols, nonflammable.  
Transport Hazard Class(es)  
Class: 2  
Label(s): -  
EmS No.: F-D, S-U  
Packing Group: -  
Special Precautions for User: Not regulated.



## 15. Regulatory Information

### US FEDERAL REGULATIONS:

Restrictions on use: Not known.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity

Ethene, 1,1,2,2-Tetrachloro-

Tetrachloroethylene

Methane, Tetrachloro-

Methane, tetrachloro-

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard Categories: Carcinogenicity

US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required.

<u>Chemical Identity</u>	<u>% by weight</u>
Tetrachloroethylene	0.1%
Methane, tetrachloro-	0.1%

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

### U.S. STATE REGULATIONS:

US. California Proposition 65: For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

US. New Jersey Worker and Community Right-to-Know Act:

Chemical Identity

Tetrachloroethylene

Carbon dioxide

Methane, tetrachloro-

US. Massachusetts RTK - Substance List:

Chemical Identity

Tetrachloroethylene

Methane, tetrachloro-

US. Pennsylvania RTK - Hazardous Substances:

Chemical Identity

Tetrachloroethylene

Carbon dioxide

Methane, tetrachloro-

US. Rhode Island RTK:

No ingredient regulated by RI Right-to-Know Law present.

**INTERNATIONAL REGULATIONS:****Montreal protocol:**

Methane, tetrachloro- Ozone Depletion Potential: Group II Annex B

**Stockholm Convention:**

Not applicable.

**Rotterdam Convention:**

Not applicable

**Kyoto Protocol:****INVENTORY STATUS:**

Australia AICS	On or in compliance with the inventory.
Canada DSL Inventory List	On or in compliance with the inventory.
EINECS, ELINCS or NLP	Not in compliance with the inventory.
Japan (ENCS) List	On or in compliance with the inventory.
China Inv. Existing Chemical Substances	On or in compliance with the inventory.
Korea Existing Chemicals Inv. (KECI)	On or in compliance with the inventory.
Canada NDSL Inventory	Not in compliance with the inventory.
Philippines PICCS	On or in compliance with the inventory.
US TSCA Inventory	On or in compliance with the inventory.
New Zealand Inventory of Chemicals	On or in compliance with the inventory.
Japan ISHL Listing	On or in compliance with the inventory.
Japan Pharmacopoeia Listing	Not in compliance with the inventory.
Mexico INSQ	On or in compliance with the inventory.
Ontario Inventory	On or in compliance with the inventory.
Taiwan Chemical Substance Inventory	On or in compliance with the inventory.

**16. Other Information****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.