






# SAFETY DATA SHEET

## 1. Product and Company Identification

<b>PRODUCT NUMBER:</b>	1268101	<b>COMPANY PHONE:</b>	1-800-241-8180
<b>PRODUCT NAME:</b>	PRO-BRAKE	<b>EMERGENCY TELEPHONE:</b>	1-800-535-5053
<b>PRODUCT DESCRIPTION:</b>	Aerosol Non-Flammable Brake Cleaner	<b>INFOTRAC:</b>	1-800-535-5053
<b>COMPANY INFORMATION:</b>	<b>PRO CHEM, INC.</b> 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

## 2. Hazards Identification

<b>GHS CLASSIFICATION:</b> Gases Under Pressure - Dissolved Gas Carcinogenicity - Category 2 Eye Irritation - Category 2 Skin Irritation - Category 2 Skin Sensitizer - Category 1B Specific Target Organ Toxicity - Single Exposure (Narcotic Effects) - Category 3	<b>SIGNAL WORD:</b> <b>WARNING</b>	<b>SYMBOL:</b>			
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### HAZARD STATEMENTS:

**Hazardous Statements – Physical:**

H280 - Contains gas under pressure; may explode if heated.

**Hazardous Statements – Health:**

H351 - Suspected of causing cancer.

H319 - Causes serious eye irritation.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H336 - May cause drowsiness or dizziness.

### PRECAUTIONARY STATEMENTS:

**General:** P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

P103 - Read label before use.

**Prevention:** P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P280 - Wear protective gloves, protective clothing, eye and face protection.

P264 - Wash hands thoroughly after handling.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P261 - Avoid breathing mist, vapors and spray.

P271 - Use only outdoors or in a well-ventilated area.

**Response:** P308 + P313 - IF exposed or concerned: Get medical attention.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 - If eye irritation persists: Get medical attention.

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.

P362 + P364 - Take off contaminated clothing and wash it before reuse.

P333 + P313 - If skin irritation or a rash occurs: Get medical attention.

P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 - Call a POISON CENTER or doctor if you feel unwell.

**Storage:** P410 + P403 - Protect from sunlight. Store in a well-ventilated place.

P405 - Store locked up.

**Disposal:** P501 - Dispose of contents and container in accordance with local, regional, national and international regulations.

### HAZARDS NOT OTHERWISE SPECIFIED:

No additional information available.

### ADDITIONAL INFORMATION:

Not applicable.

## 3. Composition / Information on Ingredients

Chemical Name	CAS	Concentration % by Weight
Tetrachloroethylene	127-18-4	90% - 99%
Carbon Dioxide	124-38-9	1% - 5%

Specific chemical identity and/or exact percentage (concentration) of the composition has been withheld to protect confidentiality.

#### 4. First Aid Measures

##### EMERGENCY OVERVIEW

**EYES:** Rinse eyes cautiously with lukewarm, gently flowing water for 15 minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists: Get medical advice/attention.

**SKIN:** Wipe off with a towel. Wash with soap and water. Get medical attention if irritation persists.

##### INHALATION:

Remove source of exposure or move person to fresh air and keep comfortable for breathing. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by the POISON CENTER/doctor. If breathing has stopped, trained personnel should begin rescue breathing or, if the heart has stopped, immediately start cardiopulmonary resuscitation (CPR) or automated external defibrillation (AED). If you feel unwell/If concerned: Get medical advice/attention.

##### INGESTION:

Ingestion is not a likely route of exposure. Get medical attention if you feel unwell.

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

No data available.

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

No data available.

#### 5. Fire-Fighting Measures

##### SUITABLE EXTINGUISHING MEDIA:

Foam, alcohol foam, carbon dioxide, dry chemical, water fog.

##### UNSUITABLE EXTINGUISHING MEDIA:

Water may be ineffective but can be used to cool containers exposed to heat or flame.

##### SPECIFIC HAZARDS IN CASE OF FIRE:

Closed containers may explode from internal pressure build-up when exposed to extreme heat and discharge contents. Liquid content of container will not support combustion. Overexposure to decomposition products may cause a health hazard. Symptoms may not be readily apparent. Obtain medical attention. Hazardous decomposition products include carbon dioxide, carbon monoxide, and other toxic fumes.

##### FIRE-FIGHTING PROCEDURES:

Water may be used to cool containers to prevent pressure build-up and explosion when exposed to extreme heat.

##### SPECIAL PROTECTIVE ACTIONS:

Wear goggles and use a self-contained breathing apparatus. If water is used, fog nozzles are preferred.

#### 6. Accidental Release Measures

##### EMERGENCY PROCEDURE:

Ventilate area. Remove all sources of ignition.

##### RECOMMENDED EQUIPMENT:

See Section 8 for specifics on protective personal equipment (PPE).

##### PERSONAL PRECAUTIONS:

Avoid breathing vapors. Ventilate area. Wear safety glasses and gloves.

##### ENVIRONMENTAL PRECAUTIONS:

Stop spill/release if it can be done safely.

##### METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

#### 7. Handling and Storage

##### GENERAL:

Do not puncture or incinerate (burn) cans. Do not stick pins, nails, or any other sharp objects into opening on top of can. Do not spray in eyes. Do not take internally.

##### VENTILATION REQUIREMENTS:

Use in a well-ventilated place.

##### STORAGE ROOM REQUIREMENTS:

Store and use in a cool, dry, well-ventilated area. Do not store above 120°F. See product label for additional information.

#### 8. Exposure Controls / Personal Protection

##### OCCUPATIONAL EXPOSURE LIMITS:

CHEMICAL NAME	OSHA TWA (mg/m3)	OSHA TWA (ppm)	OSHA STEL (mg/m3)	OSHA STEL (ppm)	OSHA Carcinogen	OSHA Skin designation	OSHA Tables (Z1, Z2, Z3)	ACGIH TWA (mg/m3)
Carbon Dioxide	9000	5000					1	
Tetrachloroethylene		100 (a)/ 200 ceiling		300ppm /5 mins. in any 3 hrs.(a)			1,2	

CHEMICAL NAME	ACGIH TWA (ppm)	ACGIH STEL (mg/m3)	ACGIH STEL (ppm)	ACGIH Carcinogen	ACGIH TLV Basis	ACGIH Notations	NIOSH TWA (mg/m3)	NIOSH TWA (ppm)
Carbon Dioxide	5000		30000		Asphyxia		9000	5000
Tetrachloroethylene	25		100	A3	CNS impair	A3; BEI		b

CHEMICAL NAME	NIOSH STEL (mg/m3)	NIOSH STEL (ppm)	NIOSH Carcinogen
Carbon Dioxide	54000	30000	
Tetrachloroethylene			1

(C)- Ceiling limit, A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans, BEI - Substances for which there is a Biological Exposure Index or Indices, CNS - Central nervous system, impair - Impairment

**PERSONAL PROTECTIVE EQUIPMENT:**

**Eye/Face Protection:** Wear safety glasses with side shields. Eyewash stations and showers should be available in areas where this material is used and stored.

**Skin Protection:** Use solvent-resistant protective gloves for prolonged or repeated contact.

**Respiratory Protection:** In restricted areas, use approved chemical/mechanical filters designed to remove a combination of particles and vapor. In confined areas, use an approved air line respirator or hood. A self-contained breathing apparatus is required for vapor concentrations above PEL/TLV limits.

**APPROPRIATE ENGINEERING CONTROLS:**

Ventilation should be sufficient to prevent inhalation of any vapors.

**9. Physical & Chemical Properties**

<b>Appearance:</b>	Aerosol Spray	<b>Flammability:</b>	Flash point below 73°F/23°C
<b>Odor:</b>	Ether like	<b>Low Explosion Level:</b>	N/A
<b>Odor Threshold:</b>	N/A	<b>High Explosion Level:</b>	N/A
<b>pH:</b>	N/A	<b>Vapor Density:</b>	N/A
<b>Melting/Freezing Point:</b>	N/A	<b>Solubility (water):</b>	150 g/mL
<b>High Boiling Point:</b>	N/A	<b>Auto-Ignition Temp:</b>	N/A
<b>Low Boiling Point:</b>	121.24°C	<b>Decomposition Temp:</b>	N/A
<b>Viscosity:</b>	0.524 cSt	<b>Density:</b>	13.43 lb/gal
<b>Flash Point:</b>	>93°C	<b>Density VOC:</b>	0 lb/gal
<b>Evaporation Rate:</b>	Slower than ether	<b>% VOC:</b>	0%

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

The product is stable under normal storage conditions.

**CONDITIONS TO AVOID:**

High temperatures.

**INCOMPATIBLE MATERIALS:**

None known.

**HAZARDOUS REACTIONS/POLYMERIZATION:**

None known.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Hazardous decomposition products may include carbon dioxide, carbon monoxide, and other toxic fumes.

**11. Toxicological Information****SKIN CORROSION/IRRITATION:**

Causes skin irritation.

**SERIOUS EYE DAMAGE/IRRITATION:**

Causes serious eye irritation.

**CARCINOGENICITY:**

Suspected of causing cancer.

**GERM CELL MUTAGENICITY:**

Based on available data, the classification criteria are not met.

**REPRODUCTIVE TOXICITY:**

Based on available data, the classification criteria are not met.

**RESPIRATORY/SKIN SENSITIZATION:**

May cause an allergic skin reaction.

**SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE:**

May cause drowsiness or dizziness.

**SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE:**

Based on available data, the classification criteria are not met.

**ASPIRATION HAZARD:**

Based on available data, the classification criteria are not met.

**ACUTE TOXICITY:**

Based on available data, the classification criteria are not met.

**LIKELY ROUTES OF EXPOSURE:**

Inhalation, Ingestion, Skin contact, Eye contact

**127-18-4 TETRACHLOROETHYLENE**

LC50 (rat): Approximately 3786 ppm (4-hour exposure) (22); approximately 4000 ppm (4-hour exposure) (23)

LC50 (mouse): 5200 ppm (4-hour exposure) (24)

LD50 (oral, rat): Approximately 2600 mg/kg (cited as 1.6 mL/kg) (20)

LD50 (oral, male rat): 3835 mg/kg (25)

LD50 (oral, female rat): 3005 mg/kg (25)

LD50 (dermal, rabbit): Greater than 3245 mg/kg (0/5 animals died) (2)

**12. Ecological Information****TOXICITY:**

Based on available data, the classification criteria are not met.

**PERSISTENCE AND DEGRADABILITY:**

No data available.

**BIOACCUMULATIVE POTENTIAL:**

No data available.

**MOBILITY IN SOIL:**

No data available.

**OTHER ADVERSE EFFECTS:**

No data available.

**13. Disposal Consideration****WASTE DISPOSAL:**

Under RCRA, it is the responsibility of the user of the product, to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state, and local laws. Empty containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

**14. Transportation Information**

	U.S. DOT Information	IMDG Information	IATA Information
<b>UN Number:</b>	UN1950	UN1950	UN1950
<b>Proper Shipping Name:</b>	Aerosols	Aerosols	Aerosols, non-flammable
<b>Hazard Class:</b>	2.2	2.2	2.2
<b>Packaging Group:</b>	N/A	N.A.	N.A.
<b>Hazardous Substance (RQ):</b>	No Data Available		
<b>Marine Pollutant:</b>	No Data Available	No Data Available	
<b>Note / Special Provision:</b>	No Data Available	No Data Available	No Data Available
<b>Toxic-Inhalation Hazard:</b>	No Data Available		

**15. Regulatory Information**

CAS	Chemical Name	% By Weight	Regulation List
127-18-4	Tetrachloroethylene	90% - 99%	SARA313, CERCLA, HAPS, SARA312, OC HAPS, VOC exempt, TSCA, RCRA, ACGIH, California Proposition 65 Cancer, OSHA
124-38-9	Carbon Dioxide	1% - 5%	SARA312, TSCA, ACGIH, OSHA

**16. Other Information****GLOSSARY:**

ACGIH- American Conference of Governmental Industrial Hygienists; ANSI- American National Standards Institute; Canadian TDG- Canadian Transportation of Dangerous Goods; CAS- Chemical Abstract Service; Chemtrec- Chemical Transportation Emergency Center (US); CHIP- Chemical Hazard Information and Packaging; DSL- Domestic Substances List; EC- Equivalent Concentration; EH40 (UK)- HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA- Emergency Planning and Community Right-To-Know Act; ESL- Effects screening levels; HMIS- Hazardous Material Information Service; LC- Lethal Concentration; LD- Lethal Dose; NFPA- National Fire Protection Association; OEL- Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL- Permissible Exposure Limit; SARA (Title III)- Superfund Amendments and Reauthorization Act; SARA 313- Superfund Amendments and Reauthorization Act, Section 313; SCBA- Self-Contained Breathing Apparatus; STEL- Short Term Exposure Limit; TCEQ- Texas Commission on Environmental Quality; TLV- Threshold Limit Value; TSCA- Toxic Substances Control Act Public Law 94 469; TWA- Time Weighted Value; US DOT- US Department of Transportation; WHMIS- Workplace Hazardous Materials Information System.

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