



# SAFETY DATA SHEET

## 1. Product and Company Identification

<b>PRODUCT NUMBER:</b>	1292	<b>COMPANY PHONE:</b>	1-800-241-8180
<b>PRODUCT NAME:</b>	BRAKE AWAY	<b>EMERGENCY TELEPHONE:</b>	1-800-241-8180
<b>PRODUCT DESCRIPTION:</b>	Aerosol Nonchlorinated Brake Parts 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> Flammable aerosols: Category 1 Gases under pressure: Compressed gas Skin irritation: Category 2 Eye irritation: Category 2A Specific target organ toxicity - single exposure: Category 1 Specific target organ toxicity - single exposure: Category 3 (Central nervous system) Aspiration hazard: Category 1	<b>SIGNAL WORD:</b> <b>DANGER</b>				
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### HAZARD STATEMENTS:

- H222 Extremely flammable aerosol.
- H280 Contains gas under pressure; may explode if heated.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- H370 Causes damage to organs.

### PRECAUTIONARY STATEMENTS:

- Prevention:** P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- P211 Do not spray on an open flame or other ignition source.
- P251 Pressurized container: Do not pierce or burn, even after use.
- P260 Do not breathe dust/fume/gas/mist/vapours/spray.
- P264 Wash skin thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves/ eye protection/ face protection.
- Response:** P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
- P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
- P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P307 + P311 IF EXPOSED Call a POISON CENTER or doctor/physician.
- P331 Do NOT induce vomiting.
- P332 + P313 If skin irritation occurs: Get medical advice/attention.
- P337 + P313 If eye irritation persists: Get medical advice/attention.
- P362 Take off contaminated clothing and wash before reuse.
- Storage:** P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
- P403 Store in a well-ventilated place.
- Disposal:** P501 Dispose of contents/container in accordance with local regulation.

## 3. Composition / Information on Ingredients

CHEMICAL NAME	CAS	Concentration % by Weight
Acetone	67-64-1	>= 50 - < 70
Naphtha (petroleum), hydrotreated light	64742-49-0	>= 30 - < 50
Carbon dioxide	124-38-9	>= 5 - < 10
Methanol	67-56-1	>= 3 - < 5
Heptane	142-82-5	>= 1 - < 5

\*The exact percentages of disclosed substances are withheld as trade secrets.

#### 4. First Aid Measures

##### EMERGENCY OVERVIEW

**GENERAL:** Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended. Get medical attention immediately.

**EYES:** Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

**SKIN:** If skin irritation persists, call a physician. Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse.

**INHALATION:** Consult a physician after significant exposure. If unconscious, place in recovery position and seek medical advice.

**INGESTION:** Keep respiratory tract clear. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. DO NOT induce vomiting unless directed to do so by a physician or poison control center.

##### **MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:**

Effects are immediate and delayed. Symptoms may include irritation, redness, pain and rash. Symptoms of overexposure may include disorientation; dizziness and confusion. May progress to unconsciousness, paralysis and convulsions. Effects are dependent on exposure (dose, concentration, contact time). Aspiration may cause pulmonary oedema and pneumonitis. Causes serious eye irritation. May cause drowsiness or dizziness. Review Section 2 of SDS to see all potential hazards. May be fatal if swallowed and enters airways.

##### **NOTES TO PHYSICIAN:**

Treat symptomatically. Symptoms may be delayed.

#### 5. Fire Fighting Measures

##### **SUITABLE FIRE EXTINGUISHING MEDIA:**

Alcohol-resistant foam. Carbon dioxide (CO<sub>2</sub>). Dry chemical

##### **UNSUITABLE FIRE EXTINGUISHING MEDIA:**

High volume water jet.

##### **SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:**

Do not allow runoff from firefighting to enter drains or watercourses.

##### **HAZARDOUS COMBUSTION PRODUCTS:**

Carbon dioxide (CO<sub>2</sub>). Carbon monoxide. Smoke.

##### **SPECIFIC FIRE-FIGHTING METHODS:**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons, in case of fire, cans should be stored separately in closed containments. Use a water spray to cool fully closed containers.

##### **SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:**

Wear self-contained breathing apparatus for firefighting if necessary.

##### **NOTES TO PHYSICIAN:**

Symptoms may be delayed.

#### 6. Accidental Release Measures

##### **PERSONAL PRECAUTIONS:**

Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

##### **ENVIRONMENTAL PRECAUTIONS:**

Prevent product from entering drains. Prevent further leakage or spillage, if safe to do so. If the product contaminates rivers and lakes or drains, inform respective authorities.

##### **METHODS AND MATERIALS FOR CONTAINMENT & CLEANUP:**

Sweep up or vacuum up spillage and collect in suitable container for disposal. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

#### 7. Handling and Storage

##### **SAFE HANDLING:**

Do not breathe vapors/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see Section 8. Smoking, eating and drinking should be prohibited in the application area. Take precautionary measures against static discharges. Provide sufficient air exchange and/or exhaust in workrooms. Dispose of rinse water in accordance with local and national regulations. Always replace caps after use.

##### **SAFE STORAGE:**

BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50°C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects. No smoking. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations/working materials must comply with the technological safety standards.

##### **MATERIALS TO AVOID:**

Strong oxidizing agents.

#### 8. Exposure Controls / Personal Protection

##### **COMPONENTS WITH WORKPLACE CONTROL PARAMETERS:**

Components	CAS No	Value Type (Form of Exposure)	Control Parameters/ Permissible Concentration	Basis
Acetone	67-64-1	TWA	250 ppm	ACGIH
		STEL	500 ppm	ACGIH
		TWA	250 ppm 590 mg/m <sup>3</sup>	NIOSH REL

		TWA	1,000 ppm	OSHA Z-1
			2,400 mg/m <sup>3</sup>	
		TWA	750 ppm	OSHA P0
			1,800 mg/m <sup>3</sup>	
		STEL	1,000 ppm	OSHA P0
			2,400 mg/m <sup>3</sup>	
		STEL	750 ppm	CAL PEL
			1,780 mg/m <sup>3</sup>	
		C	3,000 ppm	CAL PEL
		PEL	500 ppm	CAL PEL
			1,200 mg/m <sup>3</sup>	
Carbon dioxide	124-38-9			
		TWA	5,000 ppm	ACGIH
		STEL	30,000 ppm	ACGIH
		TWA	5,000 ppm	NIOSH REL
			9,000 mg/m <sup>3</sup>	
		ST	30,000 ppm	NIOSH REL
			54,000 mg/m <sup>3</sup>	
		TWA	5,000 ppm	OSHA Z-1
			9,000 mg/m <sup>3</sup>	
		TWA	10,000 ppm	OSHA P0
			18,000 mg/m <sup>3</sup>	
		STEL	30,000 ppm	OSHA P0
			54,000 mg/m <sup>3</sup>	
		PEL	5,000 ppm	CAL PEL
			9,000 mg/m <sup>3</sup>	
		STEL	30,000 ppm	CAL PEL
			54,000 mg/m <sup>3</sup>	
Methanol	67-56-1			
		TWA	200 ppm	ACGIH
		STEL	250 ppm	ACGIH
		TWA	200 ppm	NIOSH REL
			260 mg/m <sup>3</sup>	
		ST	250 ppm	NIOSH REL
			325 mg/m <sup>3</sup>	
		TWA	200 ppm	OSHA Z-1
			260 mg/m <sup>3</sup>	
		STEL	250 ppm	OSHA P0
			325 mg/m <sup>3</sup>	
		TWA	200 ppm	OSHA P0
			260 mg/m <sup>3</sup>	
		C	1,000 ppm	CAL PEL
		PEL	200 ppm	CAL PEL
			260 mg/m <sup>3</sup>	
		STEL	250 ppm	CAL PEL
			325 mg/m <sup>3</sup>	
Heptane	142-82-5			
		TWA	85 ppm	NIOSH REL
			350 mg/m <sup>3</sup>	
		C	440 ppm	NIOSH REL
			1800 mg/m <sup>3</sup>	
		TWA	500 ppm	OSHA Z-1
			2,000 mg/m <sup>3</sup>	
		TWA	400 ppm	OSHA P0

	1,600 mg/m <sup>3</sup>	
STEL	500 ppm 2,000 mg/m <sup>3</sup>	OSHA P0
PEL	400 ppm	CAL PEL
STEL	1,600 mg/m <sup>3</sup> 500 ppm 2,000 mg/m <sup>3</sup>	CAL PEL
TWA	400 ppm	ACGIH
STEL	500 ppm	ACGIH

**BIOLOGICAL OCCUPATIONAL EXPOSURE LIMITS:**

Component	CAS No	Control Parameters	Biological Specimen	Sampling Time	Permissible Concentration	Basis
2-propanone	67-64-1	Acetone	Urine	End of shift (As soon as possible after exposure ceases)	25 mg/l	ACGIH BEI
2-propanone		Acetone	Urine	End of shift (As soon as possible after exposure ceases)	25 mg/l	ACGIH BEI
Methanol	67-56-1	Methanol	Urine	End of shift (As soon as possible after exposure ceases)	15 mg/l	ACGIH BEI

**APPROPRIATE ENGINEERING MEASURES:**

Effective ventilation in all processing areas

**PERSONAL PROTECTIVE EQUIPMENT:**



**Face/Eye Protection:** Safety goggles. Access to clean water to rinse eyes must be available, options include: eye wash stations or showers, or eye wash bottles with pure water.

**Skin Protection:** Skin: Impervious clothing. Choose body protection according to the amount and concentration of the dangerous substance at the workplace. Hand Protection: Protective gloves. The suitability for a specific workplace should be discussed with the producers of the protective gloves.

**Respiratory Protection:** Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

**General Hygiene Considerations:** When using do not eat or drink. When using, do not smoke. Wash hands before breaks and at the end of workday.

**9. Physical & Chemical Properties**

<b>Appearance:</b>	Aerosol containing a compressed gas.	<b>Flammability (solid/gas):</b>	Extremely flammable aerosol.
<b>Color:</b>	Clear.	<b>Explosive Limit – lower (%):</b>	No data available.
<b>Odor:</b>	Solvent like.	<b>Explosive Limit – upper (%):</b>	No data available.
<b>Odor Threshold:</b>	No data available.	<b>Vapor Pressure:</b>	No data available.
<b>pH:</b>	Not applicable.	<b>Density:</b>	0.728 g/cm <sup>3</sup> .
<b>Melting/Freezing Point:</b>	No data available.	<b>Heat of Combustion:</b>	34.35 kJ/g.
<b>Boiling Point:</b>	No data available.	<b>Solubility (water):</b>	Slightly soluble.
<b>Partition Coeff (n-octanol/water):</b>	No data available.	<b>Auto-Ignition Temperature:</b>	Not determined.
<b>Flash Point:</b>	Not applicable.	<b>Thermal Decomposition:</b>	No data available.
<b>Evaporation Rate:</b>	No data available.	<b>Viscosity, kinematic:</b>	No data available.

**10. Stability & Reactivity Information**

**REACTIVITY:**

Stable.

**CHEMICAL STABILITY:**

Stable under normal conditions

**POSSIBILITY OF HAZARDOUS REACTIONS:**

Vapors may form explosive mixture with air. No decomposition if stored and applied as directed.

**INCOMPATIBLE MATERIALS:**

Strong oxidizing agents.

**CONDITIONS TO AVOID:**

Heat, flames and sparks. Extremes of temperature and direct sunlight.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Carbon oxides.

**11. Toxicological Information**

**AGGRAVATED MEDICAL CONDITION:**

None known.

**SYMPTOMS OF OVEREXPOSURE:**

Effects are immediate and delayed.

Symptoms may include irritation, redness, pain and rash.

Symptoms of overexposure may include disorientation, dizziness and confusion. May progress to unconsciousness, paralysis and convulsions. Effects are dependent on exposure (dose, concentration, contact time). Aspiration may cause pulmonary oedema and pneumonitis.

**ACUTE TOXICITY:**

**Product:**

Acute Oral Toxicity                      Acute toxicity estimate: 2,636 mg/kg  
Method: Calculation method.

Acute Inhalation Toxicity              Acute toxicity estimate: 13.18 mg/l  
Exposure time: 4h  
Test atmosphere: Dust/mist  
Method: Calculation method.

Acute Dermal Toxicity                      Acute toxicity estimate: >5,000 mg/kg  
Method: Calculation method.

Components	Species	Test Results	Exposure Time
<b>Acetone</b>			
<b>Acute Dermal</b>			
LD50	Guinea pig	> 7,426 mg/kg	
	Rabbit	> 7,426 mg/kg	
<b>Inhalation</b>			
LC50	Rat	132 mg/l	3h
	Rat	50.1 mg/l	
<b>Oral</b>			
LD50	Rat	5,800 mg/kg	
<b>Heptane</b>			
<b>Acute Inhalation</b>			
LC50	Rat	103 mg/l	4h

**SKIN CORROSION/IRRITATION:**

Irritating to skin.

**SERIOUS EYE DAMAGE/IRRITATION:**

Severe eye irritation.

**RESPIRATORY OR SKIN SENSITIZATION:**

No data available.

**GERM CELL MUTAGENICITY:**

No data available.

**CARCINOGENICITY:**

No data available.

**IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**ACGIH:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**OSHA:** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**REPRODUCTIVE TOXICITY:**

No data available.

**STOT - single exposure:**

No data available.

**STOT - repeated exposure:**

No data available.

**ASPIRATION TOXICITY:**

May be fatal if swallowed and enters airways.

**FURTHER INFORMATION:**

Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Concentrations substantially above the TLV value may cause narcotic effects. Solvents may degrease the skin.

**12. Ecological Information**

**ECOTOXICITY:**

No data available.

**PERSISTENCE AND DEGRADABILITY:**

No data available.

**BIOACCUMULATIVE POTENTIAL:**

**Partition coefficient: n-octanol/water:** No data available.

**Heptane: Partition coefficient: n-octanol/water:** Log Pow: 5

**MOBILITY IN SOIL:**

No data available.

**OTHER ADVERSE EFFECTS:**

No data available.

**Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone:** CAA Section 602 Class I Substances.

**Remarks:** This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

**ADDITIONAL ECOLOGICAL INFORMATION:**

No data available

**13. Disposal Consideration****WASTE FROM RESIDUES:**

The product should not be allowed to enter drains, watercourses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of in accordance with local regulations.

**CONTAMINATED PACKAGING:**

Empty remaining contents. Dispose of as unused product. Do not reuse empty containers. Do not burn or use a cutting torch on the empty drum.

**14. Transportation Information****TRANSPORTATION REGULATION: 49 CFR (USA):**

ORM-D, CONSUMER COMMODITY

**TRANSPORTATION REGULATION: IMDG (Vessel):**

UN1950, AEROSOLS, 2.1, - Limited quantity

**TRANSPORTATION REGULATION: IATA (Cargo Air):**

UN1950, Aerosols, flammable, 2.1, - Limited quantity

**TRANSPORTATION REGULATION: IATA (Passenger Air):**

UN1950, Aerosols, flammable, 2.1, - Limited quantity

**TRANSPORTATION REGULATION: TDG (Canada):**

UN1950, AEROSOLS, 2.1, - Limited quantity

The product as delivered to the customer conforms to packaging requirements for shipment by road under US Department of Transportation (DOT) regulations. Additional transportation classifications noted above are for reference only, and not a certification or warranty of the suitability of the packaging for shipment under these alternative transport regulations.

**15. Regulatory Information****TSCA list:** No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

**EPCRA - Emergency Planning and Community Right-to-Know Act****CERCLA Reportable Quantity**

Components	CAS No	Component RQ (lbs)	Calculated Product RQ (lbs)
Acetone	67-64-1	5,000	*

\*: Calculated RQ exceeds reasonably attainable upper limit.

**SARA 304 Extremely Hazardous Substances Reportable Quantity:**

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards:**

Flammable (gases, aerosols, liquids or solids).  
Gases under pressure.  
Skin corrosion or irritation.  
Serious eye damage or eye irritation.  
Specific target organ toxicity (single or repeated exposure).  
Aspiration hazard.

**SARA 302:**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313:**

The following components are subject to reporting levels established by SARA Title III, Section 313:

Methanol 67-56-1 3.7943%

**CALIFORNIA PROP 65:**

WARNING: This product can expose you to chemicals including methanol, toluene, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov). **THE COMPONENTS OF THIS PRODUCT ARE**

**REPORTED IN THE FOLLOWING INVENTORIES:**

DSL: All components of this product are on the Canadian DSL.  
TSCA: On TSCA Inventory.

For information on the country notification status for other regions please contact the manufacturer's regulatory group.

**INVENTORY ACRONYM AND VALIDITY AREA LEGEND:**

TSCA (USA), DSL (Canada), NDSL (Canada)

**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.