






SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	1292	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	BRAKE AWAY	EMERGENCY TELEPHONE:	1-800-241-8180
PRODUCT DESCRIPTION:	Aerosol Non-Chlorinated Brake Parts Cleaner	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION: Flammable aerosols: Category 1 Gases under pressure: Compressed gas Skin irritation: Category 2 Eye irritation: Category 2A Specific target organ toxicity - single exposure: Category 3 (Central nervous system)	SIGNAL WORD: DANGER	SYMBOL:			
---	--------------------------------------	----------------	---	---	---

HAZARD STATEMENTS:

- H222 Extremely flammable aerosol.
- H280 Contains gas under pressure; may explode if heated.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.

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.
- P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
- P264 Wash skin thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear eye protection/ face protection.
- P280 Wear protective gloves.

Response:

- P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
- P304 + P340 + P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician 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.
- 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:

- P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
- P405 Store locked up.
- P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.

Disposal: Dispose of contents/container in accordance with local regulation.

POTENTIAL HEALTH EFFECTS:

Carcinogenicity:

IARC: No component of this product presents 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 presents 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 presents at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

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

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
Heptane	142-82-5	>= 1 - < 5

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.

EYES: Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist. If in eyes, rinse with water for 15 minutes.

SKIN: If skin irritation persists, call a physician. Wash off immediately with plenty of water for at least 15 minutes. If on clothes, remove clothes.

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.

5. Fire Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:

Alcohol-resistant foam. Carbon dioxide (CO₂). Dry chemical.

UNSUITABLE FIRE EXTINGUISHING MEDIA:

High volume water jet.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

Carbon dioxide (CO₂), carbon monoxide, smoke.

SPECIFIC FIRE-FIGHTING METHODS:

Do not allow run-off from firefighting to enter drains or watercourses. 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.

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 vapours 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 & 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. Open drum carefully as content may be under pressure. Dispose of rinse water in accordance with local and national regulations.


SAFE STORAGE & INCOMPATIBILITIES:

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	CAS #	Value Type (form of exposure)	Control Parameters/permissible Concentration	Basis
Acetone	67-64-1	TWA	500 ppm	ACGIH
		STEL	750 ppm	ACGIH
		TWA	250 ppm	NIOSH REL
			590 mg/m ³	
		TWA	1,000 ppm	OSHA Z-1
			2,400 mg/m ³	
Carbon dioxide	124-38-9	TWA	750 ppm	OSHA P0
			1,800 mg/m ³	
		STEL	1,000 ppm	OSHA P0
			2,400 mg/m ³	
		TWA	5,000 ppm	ACGIH
		STEL	30,000 ppm	ACGIH
		TWA	5,000 ppm	NIOSH REL
			9,000 mg/m ³	
		ST	30,000 ppm	NIOSH REL
	54,000 mg/m ³			
	TWA	5,000 ppm	OSHA Z-1	
		9,000 mg/m ³		
	TWA	10,000 ppm	OSHA P0	
		18,000 mg/m ³		
	STEL	30,000 ppm	OSHA P0	

Heptane	142-82-5	TWA		54,000 mg/m ³		
				85 ppm		NIOSH REL
		C		350 mg/m ³		
				440 ppm		NIOSH REL
		TWA		1,800 mg/me		
				500 ppm 2,000 mg/m ³		OSHA Z-1
				400 ppm		
		TWA		1,600 mg/me		OSHA P0
		STEL		500 ppm		OSHA P0
				2,000 mg/m ³		
BIOLOGICAL OCCUPATIONAL EXPOSURE LIMITS:						
Component	CAS	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)	50 mg/l	ACGIH BEI
PERSONAL PROTECTIVE EQUIPMENT:						
						
EYE PROTECTION: Eyewash bottle with pure water. Tightly fitting safety goggles. Wear face-shield and protective suit for abnormal processing problems.						
SKIN PROTECTION: The suitability for a specific workplace should be discussed with the producers of the protective gloves. Skin and body protection: Impervious clothing. Choose body protection according to the amount and concentration of the dangerous substance at the work place.						
RESPIRATORY PROTECTION: In case of insufficient ventilation, wear suitable respiratory equipment.						
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			
Appearance:	Aerosol containing a compressed gas.	Flammability(solid/gas):	Extremely flammable aerosol.
Color:	Clear.	Explosive Limit – lower (%):	No data available.
Odor:	Solvent-like.	Explosive Limit – upper (%):	No data available.
pH:	Not applicable.	Heat of Combustion:	35.20 kJ/g
Melting/Freezing Point:	No data available.	Density:	0.728 g/cm3
Boiling Point:	No data available.	Solubility (water):	No data available.
Partition Coeff (n-octanol/water):	No data available.	Auto-Ignition Temperature:	Not determined.
Viscosity, kinematic:	No data available.	Thermal Decomposition:	No data available.
Flash Point:	Not applicable.	Evaporation Rate:	No data available.

10. Stability & Reactivity Information	
REACTIVITY:	Stable.
CHEMICAL STABILITY:	Stable under normal conditions.
POSSIBILITY OF HAZARDOUS REACTIONS:	Vapours may form explosive mixture with air.
INCOMPATIBLE MATERIALS:	Strong oxidizing agents.
CONDITIONS TO AVOID:	Heat, flames and sparks.
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon oxides.

11. Toxicological Information	
ACUTE TOXICITY:	
Acetone:	Acute oral toxicity: LD50 Rat: 5,800 mg/kg Acute inhalation toxicity: LC50 Rat: 132 mg/l/Exposure time: 3 h LC50 Rat: 50.1 mg/l Acute dermal toxicity: LD50 Guinea pig: > 7,426 mg/kg LD50 Rabbit: > 7,426 mg/kg
Heptane:	Acute inhalation toxicity: LC50 Rat: 103,000 mg/l Exposure time: 4 h
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.

REPRODUCTIVE TOXICITY:

No data available.

acetone:**Naphtha (petroleum), hydrotreated light:****carbon dioxide:****heptane:****STOT - single exposure:**

No data available.

STOT - repeated exposure:

No data available.

ASPIRATION TOXICITY:

No data available.

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: > 3.0
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:

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life., May cause long lasting harmful effects to aquatic life.

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 re-use 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

15. Regulatory Information**EPCRA - Emergency Planning and Community Right-to-Know Act****CERCLA Reportable Quantity**

Component	CAS #	Component RQ (lbs)	Calculated product RQ (lbs)
Acetone	67-64-1	5000	*

*: 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:

Fire Hazard; Acute Health Hazard; Sudden Release of Pressure Hazard.

SARA 302:

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

SARA 313:

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop 65:

WARNING! This product contains a chemical known to the State of California to cause cancer.

Benzene 71-43-2

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Toluene 108-88-3

Benzene 71-43-2

The components of this product are reported in the following inventories:

TSCA: On TSCA Inventory.

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

AICS: On the inventory, or in compliance with the inventory.

NZIoC: Not in compliance with the inventory.

PICCS: On the inventory, or in compliance with the inventory.

IECSC: On the inventory, or in compliance with the inventory.

Inventory Acronym and Validity Area Legend:

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

16. Other Information

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

NFPA	Health Hazards: 2	Flammability: 4	Instability: 0	Physical & Chemical Properties:
HMIS	Health Hazards: 2	Flammability: 4	Physical hazards: 2	Personal protection:

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.