Section 1: Product & Company Identification

**Product Name:** Brake Parts Cleaner - Aerosol  
**Product Number(s):** 05089, 05089-6, 05089P, 05089T, 05089T-6, 75089, 85089

Manufactured By: CRC Industries, Inc.  
885 Louis Drive, Warminster, PA 18974  
(215) 674-4300  
24-Hour Emergency Information: CHEMTREC  
(800) 424-9300

Section 2: Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS Number</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>OTHER</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tetrachloroethylene</td>
<td>127-18-4</td>
<td>25 ppm</td>
<td>25 ppm</td>
<td>NE</td>
<td>&gt;90</td>
</tr>
<tr>
<td>Carbon Dioxide</td>
<td>124-38-9</td>
<td>5000 ppm</td>
<td>10000 ppm</td>
<td>NE</td>
<td>&lt;10</td>
</tr>
</tbody>
</table>

Section 3: Hazards Identification

**Emergency Overview**

*Appearance & Odor:* Colorless liquid, irritating odor at high concentrations.  
*DANGER:* Vapor Harmful. Contents Under Pressure.

**Potential Health Effects:**
- **Inhalation:** Headaches, dizziness, drunkenness, irregular heartbeats, unconsciousness, irritation to upper respiratory tract and central nervous system effects.  
- **Eyes:** Irritation  
- **Skin:** Irritation  
- **Ingestion:** NA

**Carcinogenicity:**  
- OSHA: Yes  
- IARC: Yes  
- NTP: Yes

**Chronic Overexposure:**  
Repeated overexposure have caused liver effects.

**Medical Conditions Aggravated by Exposure:**  
Symptoms depend on level and duration of exposure.

Section 4: First Aid Measures

- **Inhalation:** Remove to fresh air. Give artificial respiration if necessary.
- **Eyes:** Flush with large amounts of water for 15 minutes.
- **Skin:** Remove contaminated clothing and wash area with soap and water.
- **Ingestion:** Call a physician. Do not induce vomiting.

Section 5: Fire-Fighting Measures

- **Flashpoint:** None  
- **Method:** TCC, TOC, COC  
- **LEL:** ND  
- **UEL:** ND  
- **Extinguishing Media:** Water fog

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Hazardous Combustion Products: Hydrogen chloride, some phosgene.
Fire-fighting Instructions: Remove containers from fire area if possible. Use self-contained breathing apparatus for fire fighting. Aerosol cans may explode if heated above 120°F.

NFPA: Health: 2 Flammability: 0 Reactivity: 0
HMIS: Health: 2 Flammability: 0 Reactivity: 0 PPE: B

Section 6: Accidental Release Measures

Spill/Leak Procedures: Usually not a problem with aerosols. Area should be ventilated. Absorbent should be used to pick up excess material. All used and unused product should be disposed of in accordance with federal, state and local regulations.

Section 7: Handling and Storage
Handling Procedures: Store in a cool, dry area. Aerosol cans must be maintained below 120°F to prevent cans from exploding.

Aerosol Level: I

Section 8: Exposure Controls/Personal Protection

Engineering Controls: Adequate to prevent accumulation of vapors. Use mechanical means if necessary to maintain levels below the exposure limits. If working in a confined space, follow applicable OSHA regulations.


Protective Clothing/Equipment: Wear chemically protective gloves and safety glasses. Use a splash apron and boots if splashing occurs.

Section 9: Physical & Chemical Properties

Physical State: Liquid Appearance & Odor: Colorless liquid, solvent odor
Specific Gravity: 1.619 Boiling Point: 250 °F (estimated)
Freezing Point: ND Vapor Pressure: 13 mmHg
Evaporation Rate: Rapid Vapor Density (air = 1) > air
pH: NA Solubility: Slight in water

Volatile Organic Compounds %: 0 g/L: 0 lbs./gal: 0

Section 10: Stability and Reactivity
Stability: Stable Chemical Incompatibilities: Strong oxidizers
Materials to Avoid: Avoid storage in aluminum containers or contact with aluminum and/or zinc powders.

Hazardous Decomposition Products: None

Section 11: Toxicological Information
Long-term toxicological studies have not been conducted for this product. See Section 3 of this MSDS for acute symptoms of overexposure and carcinogenicity information.

Section 12: Ecological Information

Ecotoxicity: No data available.
Environmental Fate: No data available for biodegradation.

Section 13: Disposal Considerations

Disposal: This material if discarded may be hazardous waste under U.S. EPA RCRA regulations. All disposal activities must comply with federal, state and local regulations. Contact your local or state environmental agency for specific rules. Do not dump into sewers, on the ground or into any body of water.

Section 14: Transportation Information

Shipping Name: Consumer Commodity
Hazard Class: ORM-D
Label: NA
Special Provisions: NA

Section 15: Regulatory Information

TSCA: All components are either listed under TSCA or are exempt.
SARA Title III: Section 311/312: Acute/Chronic
Section 313*: Tetrachloroethylene
CERCLA/Superfund (RQ): 100 lbs.
Extremely Hazardous Substances: No
California Prop 65: This product contains chemicals known to the State of California to cause cancer, birth defects and other reproductive harm.

* See section 2 for percentage

Section 16: Additional Information

Prepared By: Adam M. Selisker Date: March 28, 2002
Technical Information: (800) 521-3168 CRC #: 491G
This information is accurate to the best of CRC Industries' knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and directions on the label.

CAS: Chemical Abstract Service NA: Not Applicable
ppm: Parts per Million ND: Not Determined
TCC: Tag Closed Cup NE: Not Established
LEL: Lower Explosive Limit g/L: grams per Liter
UEL: Upper Explosive Limit lbs./gal: pounds per gallon
PPE: Personal Protection Equipment RQ: Reportable Quantity