

# MATERIAL SAFETY DATA SHEET

## Section 1: Product & Company Identification

**Product Name:** Brakleen® Brake Parts Cleaner - Bulk  
**Product Number (s):** 05090, 05091, 05093, 75090

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

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## Section 2: Composition/Information on Ingredients

Component	CAS Number	ACGIH TLV	OSHA PEL	OTHER	%
Tetrachloroethylene	127-18-4	25 ppm	25 ppm	NE	100

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## Section 3: Hazards Identification

### Emergency Overview

Appearance & Odor: Colorless liquid, irritating odor at high concentrations.

Danger: Vapor Harmful.

### 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.

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## 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.

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## Section 5: Fire-Fighting Measures

Flashpoint: None Method: TCC, TOC, COC LEL: ND UEL: ND

Extinguishing Media: Water fog

Hazardous Combustion Products: Hydrogen chloride, some phosgene.

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Fire-fighting Instructions: Remove containers from fire area if possible. Use self-contained breathing apparatus for fire fighting.

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

Section 6: Accidental Release Measures

Spill/Leak Procedures: 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.

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.

Respiratory: Use NIOSH/MSHA compliant respirators or self-contained breathing apparatus above exposure limits. Follow OSHA regulations 29 CFR 1910.134.

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	Hazardous Polymerization:	No
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

**Product Name: Brakleen® Brake Parts Cleaner - Bulk Product Number (s): 05090, 05091, 05093, 75090**

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

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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.

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Section 14: Transportation Information

Part Number (s):	05090	Shipping Name:	Consumer Commodity
Hazard Class:	ORM-D	UN Number:	NA
Label:	NA	Placard:	NA
			Packing Group: NA
			Special Provisions: NA
Part Number (s):	05091	Shipping Name:	Tetrachloroethylene
Hazard Class:	6.1	UN Number:	1897
Label:	NA	Placard:	NA
			Packing Group: III
			Special Provisions: NA
Part Number (s):	05093	Shipping Name:	Tetrachloroethylene
Hazard Class:	6.1	UN Number:	1897
Label:	NA	Placard:	NA
			Packing Group: III
			Special Provisions: RQ

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Section 15: Regulatory Information

TSCA: All components are either listed under TSCA or are exempt.  
SARA Title III: Section 311/312: 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

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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
TOC:	Tag Open Cup	COC:	Cleveland Open Cup