

MATERIAL SAFETY DATA SHEET

Section 1: Product & Company Identification

Product Name: K&W Professional Strength Brake Cleaner
Product Number (s): 401424

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

Section 2: Composition/Information on Ingredients

Component	CAS NUMBER	ACGIH TLV	OSHA PEL	OTHER LIMITS	%
Acetone	67-64-1	500 ppm	750 ppm	250 ppm	40-45
Heptane	142-82-5	400 ppm	400 ppm	85 ppm	35-45
Xylene	1330-20-7	100 ppm	100 ppm	NE	8-15
Ethylbenzene	100-41-4	100 ppm	100 ppm	NE	1-3
Carbon Dioxide	124-38-9	5000 ppm	5000 ppm	NE	< 10

Section 3: Hazards Identification

Emergency Overview

Appearance & Odor:
Clear liquid, characteristic hydrocarbon odor.

Danger: Extremely flammable. Harmful or fatal if swallowed. Vapor harmful. Contents under pressure.

Potential Health Effects:

Inhalation: High concentrations are irritating to respiratory system; may cause headache, dizziness, nausea, vomiting and malaise.

Eyes: High vapor concentration or contact may cause irritation and discomfort.

Skin: Brief contact may cause slight irritation. Prolonged contact may cause irritation or dermatitis.

Ingestion: May result in vomiting; aspiration of vomitus into the lungs must be avoided; DO NOT induce vomiting. Minute amounts aspirated into the lungs can produce severe lung injury, chemical pneumonitis, pulmonary edema or death.

Carcinogenicity: OSHA: No IARC: Yes NTP: No

Chronic Overexposure: Chronic exposure is unknown for this product.

Medical Conditions Aggravated by Exposure: Acute and chronic liver and kidney disease, anemia.

--
Section 4: First Aid Measures

Inhalation: Remove to fresh air, provide oxygen if breathing is difficult; seek medical attention.

Eyes: Flush with large amounts of water for 15 minutes.

Skin: Remove contaminated clothing and wash area with soap and water.

Ingestion: DO NOT induce vomiting. If vomiting occurs spontaneously, keep below hips to prevent aspiration of liquids into lungs. Call a physician immediately. Vomiting can be induced under Physician's supervision.

--
Section 5: Fire-Fighting Measures

Flashpoint: 1°F Method: TCC LEL: 1 UEL: 13

Extinguishing Media: CO₂, dry chemical, water fog, and chemical foam.

Hazardous Combustion Products: CO, CO₂

Fire-fighting Instructions: Use self contained respiratory equipment. Do not use water stream as it will scatter and spread fire. Contents Under Pressure.

NFPA: Health: 2 Flammability: 4 Reactivity: 0

HMIS: Health: 2 Flammability: 4 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. Aerosol cans must be maintained below 120°F to prevent cans from exploding.

--
Section 8: Exposure Controls/Personal Protection

Engineering Controls: Provide local exhaust 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.

Product Name: K&W Professional Strength Brake Cleaner

Product Number (s): 401424

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:	Clear liquid, characteristic hydrocarbon odor
Specific Gravity:	0.76	Boiling Point:	133 -279°F
Freezing Point:	ND	Vapor Pressure:	ND
Evaporation Rate:	ND	Vapor Density (air = 1):	ND
pH:	ND	Solubility:	Slight

Volatile Organic Compounds:%:	50	g/L:	ND	lbs./gal:	ND
-------------------------------	----	------	----	-----------	----

--

Section 10: Stability and Reactivity

Stability:	Stable	Hazardous Polymerization:	No
Chemical Incompatibilities:	Strong Oxidizing Agents		
Conditions to Avoid:	Application to hot surfaces or exposure to open flame or storage above 120°F.		
Hazardous Decomposition Products:	May produce fumes when heated to decomposition. Fumes may contain carbon Monoxide and other toxic fumes.		

--

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

Product Name: K&W Professional Strength Brake Cleaner **Product Number (s): 401424**

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 UN Number: NA Packing Group: NA
Label: NA Placard: 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: Pressure, Fire
Section 313*: Xylene, Ethylbenzene
CERCLA/Superfund (RQ): NA
Extremely Hazardous Substances: NA
California Prop 65: NA

* See section 2 for percentage

--
Section 16: Additional Information

Prepared By: Michelle Milburn Date: December 16, 2003
Technical Information: (800) 521-3168 CRC #: NA

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 Exposure Limit	g/L:	grams per Liter
UEL:	Upper Exposure Limit	lbs./gal:	pounds per gallon
PPE:	Personal Protection Equipment	RQ:	Reportable Quantity