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**CRC MATERIAL SAFETY DATA SHEET**

CRC Industries, Inc. • 885 Louis Drive • Warminster, PA 18974 • (215) 674-4300

PRODUCT NAME BRAKLEEN AEROSOL

#-MSDS05089

PRODUCT- 05089, 5089P, 5089T, 5089TP  
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1. INGREDIENTS	CAS #	ACGIH TLV	OSHA PEL	OTHER LIMITS	%
Tetrachloroethylene	127-18-4	50 ppm	25 ppm		65-94
Petroleum Distillate	8052-41-3	NA	NA	100 ppm	1-20
Carbon Dioxide	124-38-9	5000 ppm	10000		1-10

**2. PHYSICAL DATA : (without propellant)**

Specific Gravity : 1.53 @ 25 C      Vapor Pressure : ND  
 & Volatile : 100%  
 Boiling Point : est. 250 F      Evaporation Rate : Rapid  
 Freezing Point : ND      Vapor Density : ND  
 Appearance and Odor:      pH: NA  
 Colorless liquid- irritating odor at high concentrations.

Solubility : Slight solubility in water- good solvent for many organic materials.

**3. FIRE AND EXPLOSION DATA**

Flashpoint : None Method : TCC, TOC, COC  
 Flammable Limits : LEL:NA UEL:NA  
 Extinguishing Media : Water fog  
 Unusual Hazards : Aerosol cans may explode when heated above 120 F.

**4. REACTIVITY AND STABILITY**

Stability : Stable  
 Hazardous decomposition products : Thermal- Hydrogen chloride, chlorine, and some phosgene-avoid open flames, arcs or high temps.

Materials to avoid : Avoid storage in aluminum containers or contact with aluminum and/or zinc powder.

**5. PROTECTION INFORMATION**

Ventilation : Adequate to prevent the accumulation of vapors.

Respiratory : Use positive pressure self-contained breathing apparatus if accumulation of vapors is suspected.

Gloves : Solvent resistant      Eye & Face : Safety glasses

Other Protective Equipment: Not normally required for aerosol product usage.

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**PRODUCTS-** 05089, 5089P, 5089T, 5089TP  
**MANUFACTURED BY** : CRC INDUSTRIES, INC. PHONE (215) 674-4300  
885 LOUIS DRIVE, WARMINSTER, PA. 18974

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**6. HEALTH HAZARD DATA**  
Primary Routes of Entry : Inhalation, Skin

**Signs and Symptoms of Exposure**

- 1. Acute Overexposure:**  
Eyes & skin - irritation. Inhalation - causes central nervous system effects, headaches, dizziness, drunkenness, irritation to upper respiratory tract, unconsciousness and irregular heartbeats.
- 2. Chronic overexposure:** Repeated overexposures have caused liver and kidney effects in laboratory animals.

**Medical Conditions Generally Aggravated by Exposure**  
: Risk to your health depends on the level and duration of exposure.

**Chemical Listed as Carcinogen** : Yes National Toxicology Program  
**or Potential Carcinogen** : Yes IARC Monographs  
: Yes OSHA

**Emergency and First Aid Procedures** (If symptoms persist, call a physician)

- 1. Inhalation** : Remove to fresh air. Apply artificial respiration if necessary.
- 2. Eyes** : Flush with large amounts of water for 15 minutes.
- 3. Skin** : Remove contaminated clothing. Wash exposed area with soap and water.
- 4. Ingestion** : DO NOT induce vomiting. Call a physician.

**7. SPILL OR LEAK PROCEDURES**

**Precautions to be taken in Handling and Storage** : Store in a cool, dry area.

**Steps to be taken in case Material is released or spilled** : Usually not a problem with aerosols. Area should be ventilated and an absorbent used to pick up excess material.

**Waste Disposal** : All used and unused Product should be disposed of in conformance with local, state and federal regulations.

**8. SPECIAL PRECAUTIONS AND USE DIRECTIONS**

Tetrachloroethylene is listed as a carcinogen. Since the vapors are heavier than air, aerosols should not be used in confined areas or low spots without adequate ventilation. If vapors are suspected in a low area, do not enter unless special breathing apparatus is used & an observer is present for assistance.

**9. NEPA HAZARD RATINGS** Health:2 Flammability:1 Reactivity:0

**10. SARA Information**

This product contains the following chemicals that are subject to release reporting under Section 313 of SARA Title III.

Chemical Name	CAS-#	Percent
Tetrachloroethylene	127-18-4	65-94

**PREPARED BY:** Adam Selisker **ORIGINAL DATE or DATE OF REVISION:** 09/29/94