

# MATERIAL SAFETY DATA SHEET

PRODUCT NAME CV Joint Cleaner (aerosol) #05035	# MSDS00 5035
MANUFACTURED BY: CRC CHEMICALS	Phone (215) 674-4300
885 LOUIS DRIVE, WARMINSTER, PA. 18974	

1. INGREDIENTS	CAS #	ACGIH TLV	OSHA PEL	Other Limits	%
* 1,1,1 Trichloroethane	71-55-6	350	350		89.7
* Tert-Butyl Alcohol	75-65-0	100	100	}	
1,2 Butylene Oxide	106-88-7	N/A	N/A		< 6.3
Dimethoxymethane	109-87-5	100 0	150		
Carbon dioxide	124-38-9	5000	5000		4.0

\* These chemicals on Toxic Chemicals List found in Section 313 of the Emergency Planning and Community Right-To Know Act (SARA Title III) and is subject to release inventory reporting under the act.

## 2. PHYSICAL DATA ( does not include carbon dioxide propellant)

Specific Gravity 1.293 (@70°F)	Vapor Pressure 100 mm Hg @ 20°C	% Volatile 100 %
Boiling Point 164°F	Evaporation Rate Rapid	
Freezing Point N/A	Vapor Density 4.55 (air = 1)	

**Appearance and Odor** 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, COC, TOC	Flammable Limits	
Extinguishing Media	Water, fog	LEL 6.0	UEL 16.7
Unusual Hazards	Aerosol cans may explode if their temperature exceeds 130°F.		

## 4. REACTIVITY AND STABILITY

**Stability** Good - Avoid exposures to open flames, arcs, and high temperatures.  
**Hazardous decomposition products** Thermal - Hydrogen chloride, chlorine and some phosgene.  
**Materials to avoid** Avoid storage in aluminum containers or contact with aluminum and/or zinc powder.

## 5. PROTECTION INFORMATION

**Ventilation** Maintain vapor concentration below TLV - Use mechanical means if necessary.  
**Respiratory** Above TLV use self contained breathing apparatus (air mask or vapor mask).  
**Gloves** solvent resistant      **Eye & Face** Safety glasses  
**Other Protective Equipment** Not normally required for aerosol product usage.

**6. HEALTH HAZARD DATA**

Primary Routes of Entry      Inhalation and skin contact

**Signs and Symptoms of Exposure**

1. Acute Overexposure      Inhalation - headaches, dizziness, anesthesia, unconsciousness.  
 Eyes - causes pain and some irritation. Skin - irritation on repeated exposures.
2. Chronic Overexposure      Repeated overexposures may cause liver and kidney effects.

Medical Conditions Generally Aggravated by Exposure      High levels (8000 ppm +) of vapor may cause cardiac arrhythmias.

Chemical Listed as Carcinogen or Potential Carcinogen

National Toxicology Program

Yes   
No 

IARC Monographs

Yes   
No 

OSHA

Yes   
No 

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 for 15 minutes with large amounts of water.
3. Skin      Remove contaminated clothing; wash exposed area with soap and water.
4. Ingestion      Do not induce vomiting - Call physician.

**7. SPILL OR LEAK PROCEDURES**

Precautions to be taken in Handling and Storage

Store in a cool, dry place.

Steps to be taken in case Materials is released or spilled

Usually not a problem with aerosols . Area should be ventilated and absorbent used to pick up excess material.

Waste Disposal      Discarded full cans or partially filled cans are considered Hazardous Waste - Dispose of in conformance with Local, State and Federal regulation

**8. SPECIAL PRECAUTIONS AND USE DIRECTIONS**

Avoid skin contact or breathing of vapors. Since 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 and an observer is present for assistance.

Keep aerosols away from heat.

PREPARED BY: Allen B. Reed

ORIGINAL DATE OR DATE OF REVISION      9-89