

PRODUCT NAME : ELEC MOTOR & BRAKE PARTS CLNR #-MSDS05075  
PRODUCTS-05075

MANUFACTURED BY: CRC INDUSTRIES, INC.

Phone: (215) 674-4300

885 LOUIS DRIVE, WARMINSTER, PA. 18974

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1. INGREDIENTS	CAS #	ACGIH TLV	OSHA PEL	OTHER LIMITS	%
1,1,1 Trichloroethane	71-55-6	350	350		70
Perchloroethylene	127-18-4	50	25		24
1,3 Dioxolane	646-06-0	NA	NA		2
Carbon Dioxide	124-38-9	5000 ppm	10000		4

2. PHYSICAL DATA : (without propellant)

Specific Gravity : 1.385 @ 25 C      Vapor Pressure : 85 mm @ 20 C  
% Volatile : 100  
Boiling Point : 165 F      Evaporation Rate : Rapid  
Freezing Point : - 70 F      Vapor Density : 4.8 (air=1)  
Appearance and Odor :      pH :  
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 : LEL:7.5 UEL:14.5  
Extinguishing Media : Water, fog  
Unusual Hazards : Aerosol cans may explode if their temperature exceeds 130 F.

4. REACTIVITY AND STABILITY

Stability : Good- avoid open flames, arcs, and high temps.  
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

Gloves : solvent resistant      Eye & Face : safety glasses  
Other Protective Equipment : Not normally required for aerosol product usage.

MATERIAL SAFETY DATA SHEET

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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 : Yes National Toxicology Program  
or Potential Carcinogen : Yes IARC Monographs  
[Perchloroethylene] : Yes OSHA

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

1. Inhalation : Remove to fresh air, apply artificial respiration if needed.
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 a physician.

7. SPILL OR LEAK PROCEDURES

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

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

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.

9. NFPA 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
1,1,1 Trichloroethane	71-55-6	70
Perchloroethylene	127-18-4	24

PREPARED BY: Allen Reed

ORIGINAL DATE or DATE OF REVISION: 02/05/91