



MATERIAL SAFETY DATA SHEET

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ELECTRICAL PARTS CLEANER PART NO. 52145

SECTION I – IDENTITY INFORMATION

Product Name : Electrical Parts Cleaner

SECTION II – HAZARDOUS INGREDIENTS

<u>HAZARDOUS COMPONENTS</u>	<u>CAS #</u>	<u>OSHA</u> <u>PEL</u>	<u>ACGIH</u> <u>TLV</u>	<u>STEL</u>	<u>WGT %</u>
*Perchloroethylene	127-18-4	100PPM	25PPM	100	97.00
Carbon Dioxide	124-38-9	10000PPM	5000PPM		3

**Indicates Toxic Chemical(s) Subject to the Reporting Requirements of Section 313 of Title III and of 40 CFR 372.*

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point (Range) : 250⁰F
Vapor Pressure (mm Hg @ Temp)
 Perchloroethylene : 13 @ 68
 Carbon Dioxide : 38650 @ 60
Vapor Density (Air=1) : Heavier than air.
Solubility in Water : Nil
Specific Gravity (H₂O=1) : 1.58
Evaporation Rate : Slower than ether.
Appearance and Odor : Aerosol product; colorless liquid; mildly sweet.

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used) : N/A
Flammable Limits : Lower - N/A Upper - N/A
Extinguishing Media : Foam, alcohol foam, CO₂, dry chemical, water fog.
Special Fire Fighting Procedures : Water may be used to cool containers to prevent pressure build-up and explosion when exposed to extreme heat. If water is used, fog nozzles are preferred. Wear goggles and self-contained breathing apparatus.

Unusual Fire and Explosion Hazards : Keep container from heat and open flame. Closed containers may explode when exposed to extreme heat. Overexposure to decomposition products may cause a health hazard. Symptoms may not be readily apparent. Obtain medical attention.

SECTION V – REACTIVITY DATA

Stability : Stable
Conditions to Avoid : Application to hot surfaces.
Incompatibility (Materials to Avoid) : Unknown.
Hazardous Decomposition or Byproducts : May produce fumes when heated to decomposition. Fumes may contain carbon monoxide, Chlorine and hydrogen chloride.
Hazardous Polymerization : Will not occur.
Conditions to Avoid : None

SECTION VI – HEALTH HAZARD DATA

Inhalation Health Risks and Symptoms
of Exposure : Respiratory irritation, headache, nausea, fatigue, drowsiness, impaired co-ordination.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

Skin : Contact may dry the skin; prolonged contact may cause irritation.
Eyes : Liquid or vapor can irritate; prolonged contact may lead to corneal damage.

Skin Absorption Health Risks and Symptoms
of Exposure : Not easily absorbed. Solvent action can dry and defat the skin causing the skin to crack, leading to dermatitis.

Ingestion Health Risks and Symptoms of
Exposure : Not a likely route of exposure. If swallowed, do not induce vomiting. Seek immediate medical advice and/or attention.

HEALTH HAZARDS (ACUTE AND CHRONIC):

Acute : Eye irritant. Skin irritant. Narcotic in high concentrations.
Chronic : Liver and kidney disease. Skin irritation and dermatitis.

CARCINOGENICITY:

NTP : Yes.
IARC Monographs : Yes.
OSHA Regulated : Yes.

WARNING!! This Product Contains a Chemical Known to the State of California to Cause Cancer.

Medical Conditions Generally Aggravated by

Exposure : Acute and chronic liver and kidney disease, anemia, coronary disease or rhythm disorders of the heart.

EMERGENCY AND FIRST AID PROCEDURES:

Inhalation : Remove to fresh air. Administer oxygen if needed. Apply artificial respiration if breathing has stopped. Get medical attention.

Ingestion : Do not induce vomiting; Call a doctor. If conditions remain. Get medical attention.

Skin : Wipe off with towel Wash with soap and water. Get medical attention if irritation persists.

Eyes : Wash immediately with large volumes of fresh water for at least 15 minutes. Get medical attention.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken if Material is Released or Spilled

: Avoid breathing vapors. Ventilate area to Contain spill. Clean up area with absorbent Material and place in closed containers for disposal.

Waste Disposal Method

: Dispose of waste in accordance with applicable federal, state and local requirements. Before attempting clean up, refer to other sections of this MSDS for hazard caution information.

Precautions to be taken in Handling and Storing

: Store and use in cool, dry, well-ventilated areas. Avoid contact with hot metal surfaces. Keep away from excessive heat or open flame. Contents under pressure. Do Not puncture or incinerate container or store above 120⁰F.

Other Precautions

cartons.

: The storage of non-flammable products with non-flammable pressurizing agent in cartons is the same as for ordinary canned goods in

SECTION VIII – CONTROL MEASURES

Respiratory Protection

: In restricted areas, use approved chemical/ Mechanical filters designed to remove a combination of particles and vapor. In confined areas, Use approved airline type respirator or hood. self-contained breathing apparatus is required for vapor concentrations above PEL/TLV limits.

Ventilation	: Sufficient to prevent inhalation of solvent vapors. General dilution and/or local exhaust ventilation in volume or pattern to keep PEL/TLV of most hazardous ingredient below acceptable limit and LEL below stated limit.
Protective Gloves	: Solvent resistant required for prolonged or repeated contact.
Eye Protection	: Safety glasses with splashguards or full face shield.
Other Protective Clothing or Equipment	: Solvent resistant apron.
Work/Hygienic Practices	: Eyewashes and safety showers in the work-place are recommended.

SECTION IX – HAZARD COMMUNICATION CODES

HMIS CODES:

Health	: 1
Flammability	: 2
Reactivity	: 0

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