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## Material Safety Data Sheet

### 1. PRODUCT IDENTIFICATION

Product Name: ELECTRICAL CONTACT CLEANER AE  
Item No: 24378  
Product Type: Aerosol cleaner

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	Weight Percent	ACGIH TLV:	OSHA PEL:
N-PROPYL BROMIDE 106-94-5	60-100	Not Listed	Not Listed
CARBON DIOXIDE 124-38-9	1-10	5000 ppm TWA	5000 ppm TWA
1,3-DIOXOLANE 646-06-0	<5	Not Listed	Not Listed

### 3. HAZARDS IDENTIFICATION

**Toxicity:** May cause eye, skin and respiratory irritation. Deliberately concentrating and inhaling the vapor may be harmful or fatal..

**Primary Routes of Entry:** Eye and skin contact, ingestion, inhalation

**Signs and Symptoms of Exposure:** Excessive overexposure may cause giddiness, dizziness, headache, nausea and in extreme cases, unconsciousness and respiratory depression. Overexposure may cause eye and skin redness.

**Medical Conditions Recognized as Being Aggravated by Exposure:** Allergy, eczema, skin conditions..

### 4. FIRST AID MEASURES

**Ingestion:** If swallowed, DO NOT induce vomiting. Keep individual calm. Obtain medical attention.

**Inhalation:** Move to fresh air in case of accidental inhalation of vapors. Oxygen or artificial respiration if needed. Obtain medical attention.

**Skin Contact:** Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

**Eye Contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

### 5. FIRE FIGHTING MEASURES

**Flash Point (°F/C):** No flame projection

**Recommended Extinguishing Media:** Carbon Dioxide, Dry Chemicals, Foam.

**Special Fire-Fighting Procedures:** Firefighters should wear self-contained breathing apparatus. Keep containers cool. Use equipment or shielding required to protect against bursting or venting of containers.

**Hazardous Products of Combustion:** Carbon dioxide, Carbon monoxide, Hydrogen bromide

**Unusual Fire/Explosion Hazards:** Contents under pressure. Closed containers may rupture or explode when exposed to extreme heat. Do not puncture or incinerate container.

**Lower Explosive Limit:** 2.0%

**Upper Explosive Limit:** 5.0%

### 6. ACCIDENTAL RELEASE MEASURES

**Spill Procedures:** Eliminate all sources of ignition. Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal.

### 7. HANDLING AND STORAGE

**Storage:** Store away from heat, sparks or open flame. Do not store at temperatures above 120 degrees F.

**7. HANDLING AND STORAGE**

**Handling:** Avoid prolonged skin contact. Keep away from eyes. Do not puncture or incinerate container. Intentionally concentrating and inhaling the vapor may be harmful or fatal. Use in a well ventilated area to prevent irritation by vapors.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Eyes:** Safety glasses  
**Skin:** Rubber or plastic gloves.  
**Ventilation:** General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits (or to the lowest feasible levels when limits have not been established) during the use of this product.  
**Respiratory Protection:** An approved respirator (i.e. NIOSH, etc.) should be worn when exposures are expected to exceed the applicable limits.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Clear liquid  
**Odor:** Solvent  
**Boiling Point:** 154 degrees F.  
**pH:** Does not apply  
**Solubility in Water:** Nil  
**Specific Gravity:** 1.23-1.26 (base only)  
**VOC Content(Wt.%):** 97% by weight  
**Vapor Pressure:** 110 mmHG @ 20°C (concentrate)  
**Vapor Density (Air=1):** 4.3 (base only)  
**Evaporation Rate:** Faster than ether

**10. STABILITY AND REACTIVITY**

**Chemical Stability:** STABLE  
**Hazardous Polymerization:** WILL NOT OCCUR  
**Incompatibilities:** Strong oxidizers, strong alkalis, reactive metals  
**Conditions to Avoid:** Keep away from heat, sparks and open flame.  
**Hazardous Products of Combustion:** Carbon dioxide, Carbon monoxide, Hydrogen bromide

**11. TOXICOLOGICAL INFORMATION**

See Section 3

**12. ECOLOGICAL INFORMATION**

No data available

**13. DISPOSAL CONSIDERATIONS**

**Recommended Method of Disposal:** Disposal should be made in accordance with federal, state and local regulations. This container may be recycled in aerosol recycling centers. Before offering for recycling, empty the can by using the product according to the label. If recycling is not available, wrap the container and discard in the trash.

**US EPA Waste Number:** D001 as per 40CFR 261.21

**14. TRANSPORTATION INFORMATION**

**DOT (49CFR 172)**

**Domestic Ground Transport**

**DOT Shipping Name:** CONSUMER COMMODITY  
**Hazard Class:** ORM-D  
**UN/ID Number:** None  
**Marine Pollutant:** None

**IATA**

**Proper Shipping Name:** Consumer Commodity (Not more than 1 liter)  
**Class or Division:** Class 9  
**UN/NA Number:** ID 8000

**IMDG**

**Proper Shipping:** Aerosols, Limited Quantity  
**Hazard Class:** Class 2  
**UN Number:** UN 1950

## **15. REGULATORY INFORMATION**

**SARA 313 Chemicals:** The following component(s) is listed as a SARA Section 313 Toxic Chemical.

NONE

### **CALIFORNIA PROP 65:**

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm..

### **TSCA Inventory Status:**

**Listed on Inventory:** YES All components of this product are listed (or exempt) on the EPA TSCA inventory.

## **16. OTHER INFORMATION**

**Estimated NFPA Rating:** HEALTH 2, FLAMMABILITY 0, REACTIVITY 0

**Estimated HMIS Classification:** HEALTH 2, FLAMMABILITY 0, PHYSICAL HAZARD 0

NFPA is a registered trademark of the National Fire Protection Assn.

HMIS is a registered trademark of the National Paint and Coatings Assn.

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