

# Material Safety Data Sheet

Date of Preparation: 04/05/04

ELEKTRO

Revision: 02/06/15

## Section 1 - Chemical Product and Company Identification

Product/Chemical Name: ELEKTRO

Chemical Formula:

CAS Number:

Other Designations:

General Use: AEROSOL

Manufacturer: MIRANDY PRODUCTS, LLC. 1078 GRAND AVENUE, S. HEMPSTEAD, NY 11550

(516) 489-6800

HMIS

H #

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PPE†

†Sec. 8

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

## Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	% wt or % vol
Trichloroethylene	79-01-6	80-100
Isopropyl Alcohol	67-63-0	01-05
Carbon Dioxide Propellant	124-38-9	01-05

Trace Impurities:

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH
	TWA	STEL	TWA	STEL	TWA	STEL	IDLH
Trichloroethylene	50 ppm	50 ppm	50 ppm	50 ppm			
Isopropyl Alcohol	400 ppm	400 ppm	400 ppm	400 ppm			
Carbon Dioxide Propellant	10,000 ppm	10,000 ppm	10,000 ppm	10,000 ppm			

Toxicity Data:

## Section 3 - Physical and Chemical Properties

Physical State:

Appearance and Odor: Clear colorless liquid, mild sweet odor.

Odor Threshold:

Vapor Pressure of can (psig @ 70F): 90

Vapor Density (Air=1):

Formula Weight:

Density:

Specific Gravity (H<sub>2</sub>O=1, at 75 F): 1.419

pH: NA

Water Solubility <0.1g/100g @ 25C: Insoluble

Other Solubilities:

Boiling Point: -154 F

Freezing/Melting Point:

Viscosity:

Refractive Index:

Surface Tension:

% Volatile:

Evaporation Rate:

## Section 4 - Fire-Fighting Measures

Flash Point (of concentrate only): None to boiling (190 F)

Flash Point Method:

Burning Rate:

Autoignition Temperature:

Flammability Classification:

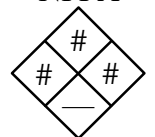
Extinguishing Media: Foam, CO<sub>2</sub>, Dry Media

Unusual Fire or Explosion Hazards:

Hazardous Combustion Products:

Fire-Fighting Instructions: Wear self-contained breathing apparatus and protective clothing. Cool fire exposed containers to prevent rupturing.

NFPA



**Fire-Fighting Equipment:** Exposure to temperature above 120 F may cause bursting.

## Section 5 - Stability and Reactivity

**Stability:** Material stable

**Polymerization:** Will not occur

**Chemical Incompatibilities:** Avoid contact with strong oxidizing agents.

**Conditions to Avoid:**

**Hazardous Decomposition Products:** Carbon Dioxide, Carbon Monoxide, Hydrogen Chloride, Small amount of Phosgene.

## Section 6 - Health Hazard Information

### Potential Health Effects

**Primary Entry Routes:**

**Target Organs:**

**Acute Effects**

**Inhalation:** Inhalation of mist can cause irritation of nasal and respiratory passages. Abusive or excessive inhalation may cause irritation to the upper respiratory tract.

**Eye:** May cause slight irritation but does not injure eye tissue.

**Skin:** Frequent or prolonged contact may cause irritation.

**Ingestion:** Can cause gastrointestinal irritation, nausea, vomiting, and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis.

**Carcinogenicity:** IARC, NTP, and OSHA do not list product\_or\_chemical\_name as a carcinogen.

**Medical Conditions Aggravated by Long-Term Exposure:**

**Chronic Effects:**

### Emergency and First Aid Procedures

**Inhalation:**

**Eye Contact:** Flush with large amounts of cool running water for at least 15 minutes while holding upper and lower lids open. If irritation persists get medical attention immediately.

**Skin Contact:** Wash with soap and water. If irritation persists seek medical attention.

**Ingestion:** Do not induce vomiting. Seek medical attention immediately.

*After first aid, get appropriate in-plant, paramedic, or community medical support.*

**Note to Physicians:**

**Special Precautions/Procedures:**

## Section 7 - Spill, Leak, and Disposal Procedures

**Spill /Leak Procedures:** Allow propellant to evaporate. Maintain local exhaust and adequate ventilation. No smoking. Keep spark, heat sources and open flame far away from spill or leak. Cover with absorbent material and sweep up. Wash area to prevent slipping. Dispose of soaked absorbent material in accordance with Federal, State and Local laws.

**Small Spills:**

**Large Spills**

**Containment:** For large spills, dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways.

**Cleanup:**

**Regulatory Requirements:** Follow applicable OSHA regulations (29 CFR 1910.120).

**Disposal:** Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

**Disposal Regulatory Requirements:**

**Container Cleaning and Disposal:**

**Ecological Information:**

**State Regulations:**

## Section 8 - Exposure Controls / Personal Protection

**Engineering Controls:**

**Ventilation:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

**Administrative Controls:**

**Respiratory Protection:** None needed for proper use in accordance with label directions.

**Protective Clothing/Equipment:** None needed for proper use in accordance with label directions. Use Chemical resistant gloves if hand contact will be made. None needed unless it is anticipated that a splash or spray back will occur, then wear safety glasses or chemical proof goggles.

**Safety Stations:** Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

**Contaminated Equipment:** Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

**Comments:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

### Section 9 - Special Precautions and Comments

**Handling Precautions:** KEEP OUT OF REACH OF CHILDREN.

**Storage Requirements:** STORE IN A COOL, DRY AREA AWAY FROM HEAT OR OPEN FLAME. DO NOT STORE AT TEMPERATURES ABOVE 120 F.

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