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Material Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: **ELECTRICAL CONTACT & PARTS CLEANER 15 OZ**
Item No: **82588**
Product Type: **Aerosol cleaner**

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	ACGIH; TLV-TWA	OSHA PEL
1,1-DIFLUOROETHANE 75-37-6	40-60	Not listed	Not listed
HEPTANE 142-82-5	40-60	400 ppm	500 ppm; 2000 mg/m ³

3. HAZARDS IDENTIFICATION

Toxicity: May cause eye, skin and respiratory irritation. Aspiration hazard if swallowed. 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. Swallowing: This material can enter the lungs during swallowing or vomiting and cause lung inflammation and/or damage. Aspiration into the lungs can cause chemical pneumonia which can be fatal. Overexposure may cause eye and skin redness.

Medical Conditions Recognized as Being Aggravated by Exposure: Heart disease and respiratory disorders. Preexisting skin disorders.

4. FIRST AID MEASURES

Ingestion: If swallowed, DO NOT induce vomiting. Obtain medical attention immediately. Do not give drugs from adrenaline-ephedrine group.

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

Skin Contact: Wash off with soap and water. If skin irritation persists, call a physician. Remove contaminated clothing and launder before reuse.

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°): Extremely flammable based on flame projection test

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: Oxides of carbon, Hydrofluoric acid, carbonyl halides

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

Lower Explosive Limit: Not determined

Upper Explosive Limit: Not determined

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 100°F (38°C).
Handling: Danger: Extremely flammable. Keep away from heat and open flame. Do not puncture or incinerate container. Use in a well ventilated area to prevent irritation by vapors. Intentionally concentrating and inhaling the vapor may be harmful or fatal. Do not take internally. Avoid prolonged skin contact. Keep away from eyes. Wash thoroughly after handling.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety glasses.
Skin: Neoprene or nitrile gloves recommended.
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 organic vapor respirator should be worn when exposures are expected to exceed the applicable limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear liquid
Odor: Solvent
Boiling Point: 195°F
pH: Does not apply
Solubility in Water: Nil
Specific Gravity: 0.7
VOC(Wt.%): 44.5%
Vapor Pressure: Not determined
Vapor Density (Air=1): >1
Evaporation Rate: Not determined

10. STABILITY AND REACTIVITY

Chemical Stability: Stable
Hazardous Polymerization: Will not occur
Incompatibilities: Strong oxidizers, Strong alkalis, Active metals, Reducing agents
Conditions to Avoid: Keep away from heat, sparks and open flame. - No smoking.
Hazardous Products of Combustion: Oxides of carbon, Hydrofluoric acid, carbonyl halides

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)

Ground Transport (DOT)

DOT Shipping Name: Consumer Commodity
Hazard Class: ORM-D
UN/ID Number: None

IATA

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

IMDG

Proper Shipping: Aerosols, Limited Quantity
Hazard Class: Class 2.1

Product Name: ELECTRICAL CONTACT & PARTS
CLEANER 15 OZ

Item No: 82588

UN Number: UN 1950

Marine Pollutant: None

15. REGULATORY INFORMATION

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

NONE

California Proposition 65: WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm

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

16. OTHER INFORMATION

Estimated NFPA Rating: HEALTH 2, FLAMMABILITY 4, REACTIVITY 0.

Estimated HMIS Classification: HEALTH 2, FLAMMABILITY 4, 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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