

Safety Data Sheet

Issue Date: 03-June-2015

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Version 1

1. IDENTIFICATION

Product Identifier

Product Name ELECTRONIC CONTACT & EQUIPMENT CLEANER AEROSOL

Other means of identification

SDS #

ITEM#

M-05140

UN/ID No

UN 1950

Recommended use of the chemical and restrictions on use

Recommended Use Contact and Circuit Board Cleaner

Details of the supplier of the safety data sheet

Supplier Address

Ashburn Chemical Technologies
 7403 Wright Rd
 Houston, TX 77041

Emergency Telephone Number

Company Phone Number

832-399-1000

Emergency Telephone (24 hr)

INFOTRAC 1-352-323-3500 (International)

1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Clear, colorless spray

Physical State Aerosol

Odor Mild

Classification

Flammable Aerosol (dissolved gas)	Category 1
Skin irritant	Category 2
Eye Irritant	Category 2A
Specific Target Organ Toxicity (Single Exposure)	Category 3
Aspiration Hazard	Category 1

Hazard Not Otherwise Classified (HNOC)

Signal Word

DANGER

Symbol



Hazard Statements

Extremely flammable aerosol

Contains gas under pressure: May explode if heated

Causes skin and eye irritation

May cause drowsiness and dizziness.
Maybe fatal if swallowed and enters airways

Precautionary Statements - Prevention

Avoid breathing fumes, mist, vapors, and spray.
Use only outdoors or in a well-ventilated area.
Wash hands thoroughly after handling. Wear protective gloves and eye protection.
Keep away from heat, sparks, open flames, and hot surfaces. - No smoking
Do not spray on an open flame or other ignition source.
Pressurized container: Do not pierce or burn, even after use.

Precautionary Statements – Response

IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical attention.
Take off contaminated clothing and wash before reuse.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical attention
If INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell.
IF SWALLOWED: Immediately call a poison center or doctor. Do NOT induce vomiting.

Precautionary Statements – Storage

Store locked up.
Protect from sunlight.
Do not expose/store to temperatures exceeding 50C/122°F. Store in a well-ventilated place

Precautionary Statements – Disposal

Dispose of contents and container in accordance with local, state, and national regulations.

Other Hazards

Harmful to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Isopropyl alcohol	67-63-0	7-13
Carbon Dioxide	124-38-9	1-5
Heptane	142-82-5	80-90

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES**First Aid Measures**

General Advice	Provide this SDS to medical personnel for treatment.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention
Skin Contact	Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse. If skin irritation persists, call a physician.
Inhalation	Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell
Ingestion	Do not induce vomiting without medical advice. Seek immediate medical attention/advice.

Most important symptoms and effects

Acute Health Hazard	Defatting of skin, dermatitis, blurred vision, and abdominal irritation Inhalation: drowsiness and dizziness.
Chronic Health Hazard	None-known.

Indication of any immediate medical attention and special treatment needed

Notes to Physician	If ingested, material may be aspirated into the lungs and cause chemical pneumonitis Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Use foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

Unsuitable Extinguishing Media Do not use straight streams.

Specific Hazards Arising from the Chemical
Not determined.

Hazardous Combustion Products Oxides of carbon.

Protective equipment and precautions for firefighters

Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Firefighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus(SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedure**

Personal Precautions Wear protective clothing as described in Section 8 of this safety data sheet.

Environmental Precautions Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional Ecological Information.

Spill

Methods for Clean-Up Remove any source of ignition. Use non-sparking tools and equipment. Clean up with non-combustible material like vermiculite, sand or earth.

Waste Disposal Dispose of in accordance with local, State and Federal regulations. Do not dump in sewers. Use sand or other non-combustible absorbent material to clean up spill and place in container for later disposal. Containers may contain hazardous residue.

RCRA Status Waste likely considered D001 under RCRA, however product should be fully characterized prior to disposal (40 CFR 261)

7. HANDLING AND STORAGE**Precautions for safe handling**

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Avoid breathing fumes, vapors, mists, spray. Wash face, hands, and any exposed skin thoroughly after handling..

Conditions for safe storage, including any incompatibilities

Storage Conditions Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store locked up.

Flammable vapors may collect in low lying areas.

Incompatible Materials

Strong alkalis, strong oxidizing agents, some plastics, rubber.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Isopropyl alcohol	400 ppm	500 ppm	-
Carbon Dioxide	5000 ppm	5000 ppm	-
Heptane	400 ppm	500 ppm	-

Appropriate engineering controls**Engineering Controls**

Use only outdoors or in a well-ventilated area.

Individual protection measures, such as personal protective equipment**Personal Protection**

Safety glasses and chemical resistant gloves.

Respiratory Protection

Ensure adequate ventilation, especially in confined areas.

General Hygiene Considerations

Avoid contact with skin, eyes and clothing. After handling this product, wash hands before eating, drinking, or smoking.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Aerosol	Odor	Mild
Appearance	Clear, colorless	Odor Threshold	Not determined
Color	colorless		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Not determined	
Melting Point	N/A	
Boiling / Freezing Point	Not determined	
Flammability (Solid, Gas)	Extremely flammable aerosol	
Auto-ignition Temperature	Not determined	
Upper / Lower Flammability Limit	Not determined	
Vapor Pressure (mm Hg)	124	@ 77°F / 25°C
Vapor Density	> 2	(Air = 1)
Evaporation Rate	< 2.5 (fast)	butyl acetate = 1)
Specific Gravity	0.71	(1=Water)
Water Solubility	insoluble	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	n-Octanol/Water (KoW))
Volatility Including Water	100%	
VOC Content (%)	97%	
Dielectric Strength (Volts)	25,000 Volts	
Decomposition Temperature	Not determined	
Explosive Properties	Not determined	

97% Vol

10. STABILITY AND REACTIVITY

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

Present explosion hazard if exposed to strong oxidizers

Conditions to Avoid Temperatures greater than 122°F and source of ignition.

Incompatible Materials Strong alkalis, strong oxidizing agents, some plastics, rubber.

Hazardous Decomposition Products Oxides of carbon (possible)

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye Contact Causes irritation, blurred vision.

Skin Contact Causes localized defatting, irritation

Inhalation Causes mild irritation.

Ingestion May cause gastrointestinal irritation

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Isopropyl Alcohol 67-63-0	5,045 mg/kg (Rat) 5,045 mg/kg (Rabbit)	2,000 mg/kg (Rabbit)	16,000 ppm (Rat) 8hr
Heptane 142-82-5	15,000 mg/kg (Rat)	2,000 mg/kg (Rabbit)	103 g/m3 (Rat) 4hr

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity OSHA: No ACGIH: No NTP: No IARC: No OTHER: N/A

12. ECOLOGICAL INFORMATION

Ecotoxicity Isopropyl Alcohol (67-63-0)
LC50 (Fathead Minnow, 96 hrs) 100,000 mg/L

Component Information

Persistence/Degradability Component(s) of this product are not biodegradable.

Bioaccumulation Components in this mixture can bio-accumulate in aquatic organisms.

Mobility This product is mobile in soil.

Other Ecological Hazard N/A

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Waste Dispose of in accordance with federal, state, and local regulations. Do not dump in sewers. Wrap container and place in trash collection, do not puncture, incinerate, or reuse container.

RCA Status Waste likely considered D001 (Ignitable waste), under RCRA, however product Should be fully characterized prior to disposal (40 CFR 261)

14. TRANSPORT INFORMATION

DOT

UN/ID No	UN1950
Proper Shipping Name	Aerosols, Ltd. Qty
Hazard Class / Division	2.1

IATA

UN/ID No	UN1950
Proper Shipping Name	Aerosols, Ltd. Qty
Hazard Class / Division	2.1

IMDG

UN/ID No	UN1950
Proper Shipping Name	Aerosols, Ltd. Qty
Environmental Hazard Water	None

15. REGULATORY INFORMATION

International Regulations All components are listed or exempted.

US Federal Regulations

TSA STATUS All Chemicals are listed or exempt.

CERCLA None

SARA 311/312 Hazard Categories None

SARA 313 Reportable Ingredients Isopropyl Alcohol (67-63-0)

U.S. State Right-to-Know Regulations

Isopropyl Alcohol (67-63-0) Rhode Island, Pennsylvania, Florida, Minnesota, Massachusetts, New Jersey, Tennessee, Connecticut hazardous material survey. Isopropyl alcohol Illinois toxic Substances disclosure to employee act

Heptane (142-82-5) California Director's List of Hazardous Substances, Connecticut hazardous material survey, Illinois toxic substances disclosure to employee act, New Jersey RTK, Massachusetts RTK, Minnesota RTK, Pennsylvania RTK, Rhode Island RTK

California Proposition 65 None

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards	Flammability	Reactivity	Special Hazards
	1	3	1	Not determined
<u>HMIS</u>	Health Hazards	Flammability	Reactivity	Personal Protection
	1	3	1	B

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Revision Note: New format

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet