AEROSOLS

Formulating the Future

GC Electronics has been the primary supplier of electronics to the electrical and electronic industries since 1930. In 1997, GC upgraded its technology base to include the new environmental laws. GC has come up with a starting line-up of contact cleaners to comply with these laws; Big Bath, and Big Bath ISO. Big Bath ISO is a new contact cleaner that is non-ozone depleting and can be sold to anyone. Plus, it contains no CFC's or HCFCS and is safe on all plastics.

GC offers a complete line of chemicals for use by electronics, electrical and industrial users. In addition to offering the most up-to-date line of aerosols, GC also supplies hard-to-find non-aerosols. GC also offers a broad range of adhesives, heat sink compounds, lubricants and conformal coatings.

Air Jet®

Air Jet is formulated for the dusting and cleaning of components and equipment. Air Jet contains no flammable additives. This high pressure product is used for blowing dust, dirt and residue out of hard to reach places without scratching. Air Jet is an excellent product for both home and office use.

Applications: Computers, keyboards, printers, fax machines, audio equipment, video equipment, typewriters.

Air Jet contains no ozone depleting chemicals. Anti static formulation minimizes the risk of electrostatic damage to sensitive components.

Part No. 19-8508	8 oz. Aerosol
Part No. 19-8475-10	10 oz. Aerosol
Part No. 19-8475	12 oz. Aerosol
Part No. 19-8475-SF	12 oz. Anti-Static Aerosol

Freeze Mist

Freeze Mist is a refrigerant spray used to locate thermal intermittents in electronic components such as capacitors, resistors and semi-conductors. Great for removing chewing gum from fabrics, freezing adhesives for easy removal, protecting heat sensitive components during soldering or for thermal fitting metal parts. The flow control trigger nozzle enables the user to apply the product with pinpoint accuracy and reduce product usage.

Applications: Avionics, electronic equipment, computers.

Freeze Mist contains no ozone depleting chemicals. The anti static formulation minimizes the risk of electrostatic damage to sensitive components.

Part No. 19-8410-6	6 oz. Aerosol
Part No. 19-8410-10	10 oz. Aerosol
Part No. 19-8410	12 oz. Aerosol
Part No. 19-8410-SF	12 oz. Anti-Static Aerosol

NON-AEROSOL CLEANERS

Isopropyl Alcohol
(Anhydrous)

This extremely pure (99.9%) alcohol is frequently the recommended cleaner by manufacturers of tape heads, disc drives, etc. Does an excellent job of dissolving and removing oxides from recording heads, also an excellent degreaser. Leaves no residue. This is not an aerosol, but an aerosol-style can with a snap on top. Suggested for use with swabs, clean cloth, or by immersion or trigger sprayer.

Part No. 10-1507	16 fl. oz.
Part No. 10-1507-G	1 gal.
Part No. 10-1507-6G	6 gal.

All quantities are single; BU's are packages of 10 Unless otherwise noted.

MATERIAL SAFETY DATA SHEET

Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200

Product Type: **Solvent Cleaner**
Product Name: **GC Isopropyl Alcohol**
Part Number(s): **10-1507**
Z-9776
10-1507-G
19-770
Z-9753

Section 1 - Identification of Product

Common Name (used on label)(Trade Name & Synonyms): GC Isopropyl Alcohol
CAS. Number: See Section 2
Chemical Name: Isopropanol
Chemical Family: N/A
Formula: N/A

HMIS RATINGS

Health:	2
Flammability:	3
Reactivity:	0
Personal Protection:	B

Minimal Hazard	0
Slight Hazard	1
Moderate Hazard	2
Serious Hazard	3
Severe Hazard	4
Gloves, Safety Glasses	B

Section 2 - Hazardous Ingredients

Hazardous Component	CAS. #	OSHA PEL	ACGIH TLV	VAPOR PRESSURE @ 25°C	LEL	UEL	FLASH POINT DEGREE F	APPROX WT %
Isopropyl Alcohol**	67-63-0	400ppm	400ppm	31 mmHg	2.2	12.0	53(TCC)	100

**NOTE: This product contains an ingredient subject to Section 313 of SARA Title III.
N/A is not available or not applicable

Section 3 - Physical Data

Physical State:	Clear liquid – concentrate
Appearance:	Transparent colorless
Solubility in Water (by weight):	Negligible
Odor:	Irritating odor at high concentrations (characteristic)
Percent Volatiles:	Organic compound – 100 Wt. %

Boiling Point (760 mmHg):	82° - 83°C 181°F	
Specific Gravity (H_20 = 1):	.79	
Vapor Density (air = 1):	>1	
Evaporation Rate (Butyl Acetate = 1)	>1	
Reactivity in Water:	None	
Hazards of Product:	WARNING:	Flammable Causes eye irritation May cause dizziness and drowsiness

Section 4 - Fire & Explosion Hazard Data

Flash Point (Closed Cup):	Tag closed cup ASTM D 56 12°C 53°F (TCC)
Auto-Ignition Temperature:	425°C/797°F (ASTM D-2155)
Flammable Limits in Air:	Lower 2.2% (V) Upper 12.0% (V) 200°F
Extinguishing Media:	Extinguish fires with water spray by manufacturer's recommended techniques for large fires. Use carbon dioxide or dry chemical media for small fires. Do not use water in a jet.
Special Fire Fighting Procedures:	Water may be used to cool closed containers to prevent pressure build-up and possible bursting when exposed to high temperatures. Firemen should wear self-contained, positive pressure, respiratory equipment.
Special Protective Equipment for Firefighters:	Use self-contained breathing apparatus and protective clothing.
Unusual Fire and Explosion Hazards:	Extremely flammable. Do not use or store near heat or ignition sources. Vapors form from this product and may travel or be moved by air currents and ignited by pilot lights, other flames, smoking, sparks, heaters, electrical equipment, static discharges or other ignition sources at locations distant from product handling point. Vapors from this material may settle in low or confined areas or travel a long distance to an ignition source and flash back explosively. Static ignition hazard can result from handling and use. Electrically bond and ground all containers, personnel and equipment before transfer or use of material. Use proper bonding and grounding during product transfer as described in National Fire Protection Association Document NFPA 77. See Section 8.3 – Engineering Controls. This material may produce a floating fire hazard. Flame may be invisible. Approach fire with caution.
Burning Can Produce the Following Products:	Carbon monoxide and/or carbon dioxide. Carbon monoxide is highly toxic if inhaled; carbon dioxide in sufficient concentrations can act as an asphyxiant.

Section 10 - Regulatory Information

Subject To Section 313 Of Sara Title III: Yes. Isopropyl Alcohol = 100%

All chemical components are listed in the TSCA inventory.

Chemical Listed as Carcinogen or Potential Carcinogen:	
National Toxicology Program:	No
I.A.R.C. Monographs:	No
OSHA:	No
OSHA Permissible Exposure Limit:	See Section 2
AGCIH Threshold Limit Value:	See Section 2
Other Exposure Limited Used:	None

Section 11 - Other Information

US DOT	
Non-Bulk	
Proper Shipping Name:	Isopropanol
ID Number:	UN1219
Hazard Class:	3
Packing Group:	PG II
Labeling:	Consumer Commodity, ORM-D
Bulk	
Proper Shipping Name	Isopropanol, Flammable Liquid (CFR49 173-150 exceptions for Class 3 (flammable) and combustible liquids)
ID Number	UN1219
Hazard Class:	3
Packing Group:	PG II
Labeling:	Flammable Liquid