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: **Air Jet**
Product Name: **GC Static Free Air Jet**
Part Number(s): **19-8475-SF**

Section 1 - Identification of Product

COMMON NAME (used on label)(Trade Name & Synonyms): **GC STATIC FREE AIR JET**
CAS. NUMBER: See Section 2
CHEMICAL NAME: 1,1,1,2-Tetrafluoroethane
CHEMICAL FAMILY: Hydrofluorocarbon
FORMULA: Not Applicable

HMIS RATINGS

Health:	2
Flammability:	0
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

Principal Hazardous Component(s)

CHEMICAL AND COMMON NAME(S)	CAS. #	OSHA PEL	ACGIH TLV	VAPOR PRESSURE @25 DEG. C.	LEL UEL	FLASH POINT DEG. F
1,1,1,2-Tetrafluoroethane	811-97-2	N/A*	N/A*	96 psia	Nonflammable	None

*Limit established by The E.I. DuPont Company is 1000ppm
NOTE: This product does not contain any ingredients subject to Section 313 of SARA Title III.
N/A is not available or not applicable

Section 3 - Physical Data

BOILING POINT (Deg. F): -15
SPECIFIC GRAVITY (Water = 1): 1.21
VAPOR PRESSURE (mmHg): See Section 2

PERCENT VOLATILE BY WEIGHT (%): 100%

PERCENT VOLATILE ORGANIC COMPOUNDS: 0%
VAPOR DENSITY (Air = 1): >1
EVAPORATION RATE (BA = 1): >1
SOLUBILITY IN WATER: Substantial
REACTIVITY IN WATER: None
APPEARANCE AND ODOR: Clear gas at standard temperature and pressure with a slight ethereal odor.
FINISHED PACKAGE: Aerosol container filled with liquefied gas.

Section 4 - Fire & Explosion Hazard Data

FLASH POINT: See Section 2
FLAMMABLE LIMITS IN AIR - % BY VOLUME: See Section 2
EXTINGUISHER MEDIA: Use media appropriate for surrounding material
AUTO-IGNITION TEMPERATURE: >1369 Deg. F
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. Hazardous decomposition products.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Contents under pressure. Keep temperature of containers below 120 Deg. F to prevent bursting. Exposure to temperature above 120 Deg. F may cause can to burst with violence and cause injury.

Section 5 - Health Hazard Data

THRESHOLD LIMIT VALUE: See Section 2

SIGNS AND SYMPTOMS OF EXPOSURE:

EYE CONTACT:	Liquid contact can cause frostbite.
SKIN CONTACT:	Liquid contact can cause frostbite.
INHALATION:	Vapor is heavier than air and can cause suffocation by reducing oxygen available for breathing. Breathing high concentrations of vapor may cause lightheadedness, giddiness, shortness of breath, and may lead to narcosis, cardiac irregularities, unconsciousness or death. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS OF THE CAN MAY BE HARMFUL OR FATAL.

EMERGENCY AND FIRST AID PROCEDURE :

INHALATION:	If high concentrations are inhaled: Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Do not give epinephrine or similar drugs. Call a physician.
EYES:	In case of eye contact, immediately flush eyes with plenty of cold water. Call a physician.
SKIN:	In case of skin contact, flush with water. Treat for frostbite if necessary.
INGESTION:	Ingestion is not considered a potential route of exposure

NOTE TO PHYSICIANS: BECAUSE OF POSSIBLE DISTURBANCES OF CARDIAC RHYTHM, CATECHOLAMINE DRUGS, SUCH AS EPINEPHRINE, SHOULD ONLY BE USED WITH SPECIAL CAUTION IN SITUATIONS OF EMERGENCY LIFE SUPPORT.