



1801 Morgan Street
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 www.gcelectronics.com

MSDS Number: 291
 Revision Date: 05/21/2013
 Supersedes Date: 02/10/2010

MATERIAL SAFETY DATA SHEET

Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200

Product Name: BIG Bath³ ANTI-STATIC CLEANER

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Type: Contact Cleaner
 Product Name: **BIG BATH³ ANTI-STATIC CLEANER**
 Part Number(s): **19-907**
 Emergency Contact: **Chemtrec**
 Phone: **(800) 424-9300**

COMMON NAME (used on label)(Trade Name & Synonyms): BIG BATH³ ANTI-STATIC CONTACT CLEANER
 CAS. NUMBER: See Section 2
 CHEMICAL NAME: Hydroflurocarbon
 CHEMICAL FAMILY: N/A
 FORMULA: N/A

HMIS RATINGS

Health:	1	Minimal Hazard:	0
Flammability:	0	Slight Hazard:	1
Reactivity:	1	Moderate Hazard:	2
Personal Protection:	B	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	AGCIH TLV	VAPOR PRESSURE @ 25 DEG. C.		LEL	UEL	FLASH POINTDEG. F	% BY WEIGHT
Trans, Dichloroethylene	156-60-5	NE	200ppm	400mmHg	6.7	18	36 (CC)	10 - 20	
Decafluoropentane* (HFC 43-10)	138495-42-8	Not Established		366 mm Hg		n/a	n/a	0	
Pentafluoropropane***	460-73-1	NE	NE	17.8psia	none	none	none	< 5	
Ethyl Alcohol	64-17-5	1000ppm	1000ppm	44 mmHg	3.3	19.0	54(TCC)	5 - 10	
1,1,1,2-Tetrafluoro- ethane **	811-97-2	N/A*	N/A*	96 psia	Nonflammable		None	50 - 60	

NE is not established
 *Limit established by The E.I. DuPont Company is 200ppm
 **Limit established by The E.I. DuPont Company is 1000ppm
 ***Limit established by Honeywell is 300 ppm
 N/A is not available or not applicable



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SECTION 3: PHYSICAL DATA

BOILING POINT (Deg. F): Concentrate Range: 60

SPECIFIC GRAVITY (Water = 1): Concentrate: 1.3
Propellant: 1.2

VAPOR PRESSURE (mmHg): See Section 2

PERCENT VOLATILE BY WEIGHT (%): < 20%

PERCENT VOC BY WEIGHT (%): 58

VAPOR DENSITY (Air = 1): >1

EVAPORATION RATE (BA = 1): >1

SOLUBILITY IN WATER: Negligible

REACTIVITY IN WATER: None

APPEARANCE AND ODOR: CONCENTRATE: Clear liquid, irritating odor at high concentrations;

PROPELLANT: Colorless, odorless gas; **FINISHED PACKAGE:** Pressurized containers.

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: See Section 2

FLAMMABLE LIMITS IN AIR - % BY VOLUME: See Section 2

EXTINGUISHER MEDIA: Water fog, dry chemical, carbon dioxide

AUTO-IGNITION TEMPERATURE: Unknown

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.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Contents under pressure. Self-pressurized aerosol containers. Keep temperature of containers below 120 deg. F. to prevent bursting. Hazardous decomposition products.

SECTION 5: HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: See Section 2



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SECTION 5: HEALTH HAZARD DATA (CONTINUED)

SIGNS AND SYMPTOMS OF EXPOSURE:

EYE CONTACT:

Contact with liquid or mist may cause irritation. Vapors may irritate eyes;

SKIN CONTACT:

Prolonged contact may cause irritation, defatting of skin;

INHALATION:

Overexposure to vapor may cause dizziness, loss of concentration and irritation. With high exposure levels, effects can include central nervous system (CNS), depression (intoxication) and cardiac arrhythmia. Product vapors displace air and can cause suffocation especially in confined space. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS OF THE CAN MAY BE HARMFUL OR FATAL;

INGESTION:

Aspiration may cause rapid absorption through the lungs, which may result in systemic effects.

IMPORTANT NOTICE: REPEATED AND PROLONGED OVEREXPOSURE TO SOLVENTS MAY LEAD TO PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. EYE WATERING, HEADACHES, NAUSEA, DIZZINESS AND LOSS OF COORDINATION ARE SIGNS THAT SOLVENT LEVELS ARE TOO HIGH. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION:

Remove to fresh air. If not breathing, give mouth-to-mouth. If breathing is difficult, give oxygen. Do not give epinephrine or similar drugs. Call a physician.

EYES:

Flush with water for at least 15 minutes. Get medical assistance if irritation persists.

SKIN:

Wash off in flowing water or shower. Remove contaminated clothing and wash before reuse.

INGESTION:

Do not induce vomiting. Call a physician immediately.

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.



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SECTION 6: REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: Avoid any excessive heat, ignition sources, open flames, or other high temperatures which induce thermal decomposition.

INCOMPATIBILITY (Materials to Avoid): Chemically Active Metals. Oxidizing agents. Sodium, Potassium, Calcium, etc. Alkali or alkaline earth metals. Powdered Aluminum, Zinc, Magnesium, Beryllium, etc.

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrofluoric acid, hydrochloric acid, possibly carbonyl fluoride. See SECTION 5 - HEALTH HAZARDS: Signs and Symptoms of Exposure.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Not Applicable

SECTION 7: SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

SMALL SPILLS: Remove ignition sources. Mop up, wipe up, or soak up immediately. Use proper protective equipment.

LARGE SPILLS: Evacuate area. Remove ignition sources. Contain liquid; transfer to closed containers; keep out of water supplies.

WASTE DISPOSAL METHODS: Dispose in accordance with Federal, State, and Local regulations. Do not incinerate closed or empty containers.

SECTION 8: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: NIOSH or Bureau of Mines approved organic vapor-type respirator is required in absence of proper environmental control.

VENTILATION:

LOCAL EXHAUST: To keep below TLV

MECHANICAL (General): To keep below TLV

SPECIAL: None

OTHER: None

PROTECTIVE GLOVES: Solvent resistant gloves - impervious gloves

EYE PROTECTION: Safety glasses or goggles

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None reasonably foreseeable.



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SECTION 9: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN

IN HANDLING AND STORAGE: Do not store above 110 Deg. F. Do not use or store near any open flames or ignition sources.

OTHER PRECAUTIONS: Contents under pressure. Do not puncture or incinerate. Exposure to temperatures above 120 Deg. F may cause can to burst with violence and cause injury. Vapors are heavier than air and will collect in low areas.

SECTION 10: REGULATORY INFORMATION

SUBJECT TO SECTION 313 OF SARA TITLE III: No
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: TRANSPORTATION INFORMATION

TRANSPORTATION INFORMATION – DOMESTIC GROUND

Shipping Name: Consumer Commodity
Hazard Class: ORM-D
UN Number: N/A
Packing Group: N/A
Hazard Label: None
Carton Marking: Consumer Commodity, ORM-D

SECTION 12: DISCLAIMER

GC Electronics believes that the information contained herein is accurate and reliable as of the date of this material safety data sheet, but no representation guarantee or warranty, express or implied, is made as to the accuracy, reliability or completeness of the information. Persons receiving information are encouraged to make their own determination as to the information's suitability and completeness for their particular application. NO INFORMATION CONTAINED HEREIN CONSTITUTES A PRODUCT WARRANTY OF ANY KIND, WHETHER EXPRESS OR IMPLIED; AND ALL IMPLIED WARRANTIES OF MERCHANT ABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED BY GC ELECTRONICS.