

3100 N.W. 36th Street
Miami, FL, 33142
PH: (833) 423-0432
www.gcelectronics.com

SAFETY DATA SHEET

Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200

Product Name: BIG BATH GC⁴ CLEANER/DEGREASER

SECTION 1- PRODUCT AND COMPANY IDENTIFICATION

Product Type: Cleaner/Degreaser

Emergency Contact: Chemtrec

Product Name: BIG BATH GC⁴ CLEANER/DEGREASER

Phone: (800) 424-9300

Part Number: 19-905-A

Recommended use of the chemical and restriction on use

Use of Substance/Mixture: Electronic cleaner

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

Flam. Aerosol 1 _ H222; Compressed gas _ H280; Muta. 1B _ H340; Carc. 1B _ H350;
Repr. 2 _ H361; STOT SE 1 _ H370; STOT RE 2 _ H373

GHS label elements

DANGER



Extremely flammable aerosol

Contains gas under pressure; may explode if heated

May cause genetic defects (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)

May cause cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)

Suspected of damaging fertility or the unborn child (state specific effect if known)(state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)

Causes damage to organs (or state all organs affected, if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard) May cause damage to organs (state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Do not pierce or burn, even after use.

Do not breathe dust/fume/gas/mist/vapors/spray.

Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

Wear protective gloves/protective clothing/eye protection/face protection.

IF exposed: Call a POISON CENTER or doctor/physician.

IF exposed or concerned: Get medical advice/attention. Get medical advice/attention if you feel unwell. Specific treatment (see back on this label).

Store locked up. Protect from sunlight. Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 49 °C/120 °F.

Dispose of contents/container to waste management



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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Description	CAS Number	EINECS Number	%	Note
n-hexane	110-54-3		44.4	
SD Alcohol 40-B (Alcohol Denat.)(Lemon Flavor Extract, Pure)	64-17-5		28.5	
2-Propanol	67-63-0		1.5	
1,1-Difluoroethane, liquefied, under pressure	75-37-6	200-866-1	26.05	

SECTION 4: FIRST AID MEASURES

Description of necessary first-aid measures

First-aid measures general:	Never give anything by mouth to an unconscious person. IF exposed or concerned: Get medical advice/attention. Call a POISON CENTER or doctor/physician.
First-aid measures after inhalation:	Cough. Remove to fresh air and keep at rest in a position comfortable for breathing.
First-aid measures after skin contact:	Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact:	Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. Direct contact with the eyes is likely to be irritating. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

Most important symptoms/effects, acute and delayed

Symptoms/injuries:	Suspected of damaging fertility or the unborn child. May cause genetic defects. May cause cancer. Causes damage to organs.
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Symptoms/injuries after inhalation:	Shortness of breath.
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Indication of immediate medical attention and special treatment needed, if necessary

No additional information available

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media

Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Specific hazards arising from the chemical

Fire hazard:	Extremely flammable gas. Extremely flammable aerosol.
Explosion hazard:	Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

Special protective actions for fire-fighters

Leaking gas fire:	Do not extinguish, unless leak can be stopped safely. Eliminate all ignition sources if safe to do so. Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. DO NOT fight fire when fire reaches explosives. Evacuate area.
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SECTION 5: FIRE-FIGHTING MEASURES (Continued)

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Other information: Aerosol level 3.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

General measures: Eliminate every possible source of ignition. No naked lights. No smoking. Isolate from fire, if possible, without unnecessary risk. Remove ignition sources. Use special care to avoid static electric charges.

6.1.1. For non-emergency personnel

Protective equipment: Gloves. Safety glasses.

Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment: Equip cleanup crew with proper protection. Avoid breathing dust, fume, gas, mist, vapor spray.

Emergency procedures: Ventilate area.

Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Methods and materials for containment and cleaning up

For containment: Dam up the liquid spill.

Methods for cleaning up: Store away from other materials

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Additional hazards when processed: Flammable gas. Hazardous waste due to potential risk of explosion.

Pressurized container: Do not pierce or burn, even after use.

Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not spray on an open flame or other ignition source. Obtain special instructions. Do not handle until all safety precautions have been read and understood. Eliminate all ignition sources if safe to do so. Avoid breathing dust, fume, gas, mist, vapor spray. Do not breathe dust, fumes, gas, mist, vapor spray.

Hygiene measures: Wash affected areas thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Technical measures: Proper grounding procedures to avoid static electricity should be followed.

Storage conditions: Keep only in the original container in a cool, well ventilated place away from children. Keep container closed when not in use. Do not expose to temperatures exceeding 49 °C/ 120 °F. Keep in fireproof place.

Incompatible products: Strong bases. Strong acids.

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SECTION 7: HANDLING AND STORAGE (Continued)

Incompatible materials: Sources of ignition. Direct sunlight. Heat sources.
Storage area: Store in a well-ventilated place.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate engineering controls

Appropriate engineering controls: Local exhaust ventilation, vent hoods.

Personal protective equipment: Gloves. Safety glasses. Avoid all unnecessary exposure.



Hand protection: Wear protective gloves.

Eye protection: Chemical goggles or safety glasses.

Skin and body protection: Wear suitable protective clothing.

Respiratory protection: Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.

Other information: Do not eat, drink or smoke during use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical and chemical properties

Physical state: liquid
Appearance: Clear, colorless liquid.
Color: Colorless.
Odor: Characteristic.
Odor threshold: No data available
pH: No data available
Relative evaporation rate (butyl acetate=1): No data available
Melting point: -62 °C Lowest Component
Freezing point: No data available
Boiling point: 37 °C Lowest Component
Flash point: < -18 °C Lowest Component
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Flammability (solid, gas): No data available
Vapor pressure: No data available
Relative vapor density at 20 °C: No data available



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Relative density	0.69
Solubility:	Insoluble in water.
Log Pow:	No data available
Log Kow:	No data available
Viscosity, kinematic:	0.83 cSt
Viscosity, dynamic:	No data available
Explosive properties:	No data available
Oxidizing properties:	No data available
Explosive limits:	No data available
VOC content:	Within limits

SECTION 10: STABILITY AND REACTIVITY

Reactivity

No additional information available

Chemical stability

Extremely flammable gas. Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Extreme risk of explosion by shock, friction, fire or other sources of ignition.

Possibility of hazardous reactions

Not established

Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Heat. Sparks. Open flame. Overheating.

Incompatible materials

Strong acids. Strong bases.

Hazardous decomposition products

Toxic fume. Carbon monoxide. Carbon dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological (health) effects

Acute toxicity: Not classified



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SECTION 12: ECOLOGICAL INFORMATION

Persistence and degradability

Cleaner

Persistence and degradability Not established.

n-hexane (110-54-3)

Persistence and degradability May cause long-term adverse effects in the environment.

2-propanol (67-63-0)

Persistence and degradability Not established.

Bioaccumulative potential

Cleaner

Bioaccumulative potential Not established.

n-hexane (110-54-3)

Bioaccumulative potential Not established.

2-propanol (67-63-0)

Bioaccumulative potential Not established.

Mobility in soil

None

Other adverse effects

Other information: Avoid release to the environment.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations. Container under pressure. Do not drill or burn even after use. Dispose of contents/container to appropriate waste disposal facility, in accordance with local, regional, national, international regulations.

Ecology - waste materials: Avoid release to the environment.

Additional information: Flammable vapors may accumulate in the container.

SECTION 14: TRANSPORT INFORMATION

UN Number

US DOT (ground): UN1950, Aerosols, 2.1, Limited Quantity

ICAO/IATA (air): UN1950, Aerosols, 2.1, Limited Quantity

IMO/IMDG (water): UN1950, Aerosols, 2.1, Limited Quantity

UN Proper Shipping Name

Aerosols flammable, (each not exceeding 1 L capacity)

Transport hazard class(es)

2.1



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SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product in question

15.1. US Federal regulations

CLEANER

SARA Section 311/312 Hazard Classes Delayed (chronic) health hazard
Fire hazard
Immediate (acute) health hazard

15.2. International regulations

CANADA

CLEANER

WHMIS Classification

Class B Division 5 - Flammable Aerosol
Class B Division 2 - Flammable Liquid
Class D Division 2 Subdivision B - Toxic material causing other toxic effects

EU

No additional information available.

Classification according to Regulation (EC) No. 1272/2008 [CLP]

No additional information available.

Classification according to Directive 67/548/EEC or 1999/45/EC

Carc. Cat. 2; R45

Muta. Cat. 2; R46

Repr. Cat. 3; R62

F+; R12

Xn; R20/21/22

Xn; R68/20/21/22

National regulations

No additional information available.

California Proposition 65: WARNING: This product can expose you to chemicals including Hexane which is known to the state of California to cause reproductive harm in males. For more information go to www.P65Warnings.ca.gov

SECTION 16: OTHER INFORMATION

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 MERCHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED BY GC ELECTRONICS.