


## Section 1: Information

<b>Product Name</b>	<b>GB Air Duster</b>
<b>Product Code(s)</b>	<b>GCD-001</b>
<b>Recommended Usage</b>	Propellant ES 1 – Formulation, blending, re-packaging – industrial use ES 2 – Propellant – industrial use ES 4 – Propellant – professional use ES 5 – Propellant – consumer use
<b>Manufacturer/Distributor</b>	Power Products, LLC (Gardner Bender)
<b>Address</b>	N85 W12545 Westbrook Crossing Menomonee Falls, WI 53051
<b>Website</b>	<a href="http://www.powerprodllc.com">www.powerprodllc.com</a> (www.gardnerbender.com)
<b>Telephone Number</b>	1-800-624-4320
<b>EMERGENCY Telephone Number</b>	Chemtrec: (24/7) 800-424-9300 Or International 703-527-3887

## Section 2: Hazard Identification

<b>Classification of the substance or mixture</b>	
<b>Classification according to Regulation (EC) No. 1272/2008 [CLP] Show</b>	
Aerosol 1H222;H229	Full text of H-phrases: see section 16
<b>Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]</b>	
F+; R12	Full text of R-phrases: see section 16
<b>Label elements</b>	
<b>Labelling according to Regulation (EC) No. 1272/2008 [CLP]</b>	 <p>GHS02 <b>Danger</b></p>
<b>Hazard statements</b>	H22 – Extremely Flammable aerosol H229 – Pressurized container; May burst if heated
<b>Precautionary statements</b>	P101 - If medical advice is needed, have product container or label at hand. P102 - Keep out of reach of children. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 - Do not spray on an open flame or other ignition source. P251 - Do not pierce or burn, even after use. P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
Unknown acute toxicity (CLP) - SDS	<b>100% of the mixture consists of ingredient(s) of unknown acute toxicity.</b>
<b>Unknown hazards to the aquatic environment (CLP)</b>	Contains 100 % of components with unknown hazards to the aquatic environment.
<b>Other hazards</b> - Contact with the liquid may cause cold burns/frostbite.	

### Section 3 – Composition/Information on Ingredients

Mixtures	N/A
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Substance			
Hazardous Components			
Chemical Name	Identifiers (CAS/EC)	% (weight)	Classification according to Regulation (EC) No. 1272/2008 [CLP]
1,1-Difluoroethane ()	(CAS No) 75-37-6 (EC no) 200-866-1	100	Flam. Gas 1, H220 Liquefied gas, H280
Chemical Name	Identifiers (CAS/EC)	% (weight)	Classification according to Directive 67/548/EEC
1,1-Difluoroethane ()	(CAS No) 75-37-6 (EC no) 200-866-1	100	F+; R12
Note: 1,1-Difluoroethane is commonly referred to as HFC-152a		Full text of R- and H-phrases: see section 16	

### Section 4: First-Aid Measures

Descriptions of First Aid Measures	
<b>Inhalation</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical advice/attention if you feel unwell.
<b>Skin</b>	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists. If frostbite occurs thaw frosted parts with lukewarm water. Do not rub affected area. Do not use hot water. Get immediate medical advice and attention.
<b>Eye</b>	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. If irritation persists, get medical attention. If frostbite occurs thaw frosted parts with lukewarm water. Do not rub affected area. Do not use hot water. Get immediate medical advice and attention.
<b>Ingestion</b>	Not a normal route of exposure. Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical advice / attention if you feel unwell.
Descriptions of Symptoms and effects (acute and delayed)	
<b>Inhalation</b>	May cause respiratory tract irritation. In low concentrations may cause narcotic effects. Symptoms may include dizziness, headache, nausea and loss of co-ordination. In high concentrations may cause asphyxiation. Symptoms may include loss of mobility/consciousness. Victim may not be aware of asphyxiation. May cause frostbite.
<b>Skin</b>	May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. May cause frostbite.
<b>Eye</b>	May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling. May cause frostbite..
<b>Ingestion</b>	May be harmful if swallowed. May cause stomach distress, nausea or vomiting. May cause frostbite.
Indication of any immediate medical attention and special treatment needed	
Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).	

## Section 5: Fire-Fighting Measures

Extinguishing Media	
<b>Suitable Extinguishing Media</b>	Water spray, dry chemical, foam, carbon dioxide.
<b>Unsuitable Extinguishing Media</b>	None known

Special hazards arising from the substance or mixture	
<b>Unusual Fire and Explosion Hazards</b>	<p><b>Fire:</b> Extremely flammable aerosol. Products of combustion may include, and are not limited to: oxides of carbon, hydrogen fluoride, carbonyl fluoride.</p> <p><b>Explosion:</b> none known</p>
<b>Advice for firefighters</b>	Keep upwind of fire. Wear full firefighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). Use water spray to keep fire-exposed containers cool.

## Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	
<b>Personal Precautions</b>	Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.
<b>Environmental Precautions</b>	Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.
Environmental precautions	
<b>Methods and material for containment and cleaning up</b>	<p><b>Containment:</b> Eliminate sources of ignition. Stop leak, if possible without risk. Move containers from spill area. Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).</p> <p><b>Clean-Up:</b> Scoop up material and place in a disposal container. Provide ventilation. Vapors may be heavier than air and may travel along the ground to a distant ignition source and flash back</p>

## Section 7 - Handling and Storage

<b>Precautions for safe handling</b>	Keep away from sources of ignition - No smoking. Avoid contact with skin, eyes and clothing. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not swallow. When using do not eat, drink or smoke. Hold can upright to avoid ejection of liquid stream during use. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Use only explosion-proof equipment. Use non-sparking tools.
Conditions for safe storage, including any incompatibilities	
<b>Storage</b>	Keep out of the reach of children. Do not expose to temperatures exceeding 50 °C/ 122 °F. Keep in a cool, well-ventilated place. Store away from direct sunlight or other heat sources. Store in original container. Keep in fireproof place. Provide for an automatic sprinkler system. Provide for a tub to collect spills. Provide the tank with earthing.
<b>Technical measures</b>	Proper grounding procedures to avoid static electricity should be followed.

## Section 8 - Exposure Controls/Personal Protection

Exposure controls	
<b>Engineering Measures/Controls</b>	Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.
<b>Personal Protective Equipment</b>	
<b>Respiratory</b>	In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
<b>Eye/Face</b>	Safety glasses or goggles are recommended when using product.
<b>Hands</b>	Wear chemically resistant protective gloves
<b>Skin/Body</b>	Wear suitable protective clothing.
<b>Environmental Exposure Controls</b>	Maintain levels below Community environmental protection thresholds.

## Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties			
<b>Appearance (State, color, etc.)</b>	Solid, Colorless	<b>Explosive limits</b>	Lower: 3.9% Upper: 16.9%
<b>Odor</b>	Faint	<b>Vapor Density</b>	NDA
<b>Odor Threshold</b>	NDA	<b>Vapor Pressure</b>	NDA
<b>pH</b>	NDA	<b>Relative Density</b>	0.91
<b>Melting Point/ Boiling Point</b>	-177 C (-178.6 F) -25 C (-13 F)	<b>Solubility(ies)</b>	NDA
<b>Flash Point</b> Closed cup [Pensky-Martens]	-50 C (-58 F)	<b>Partition coefficient: n-octanol/water</b>	NDA
<b>Flammability (solid, gas)</b>	Extremely flammable aerosol	<b>Auto-ignition temperature</b>	NDA
<b>Evaporation Rate</b>	NDA	<b>Decomposition temperature</b>	NDA
<b>Viscosity</b>	NDA	<b>Critical temperature</b>	400 C (824 F)
<b>VOC Content</b>	0%	<b>Gas Group</b>	Liquefied Gas
<b>Other Properties</b>	Gas/vapour heavier than air at 20°C. May generate electrostatic charges.		

## Section 10: Stability and Reactivity

<b>Reactivity</b>	No dangerous reaction known under conditions of normal use.
<b>Chemical Stability</b>	Stable under normal storage conditions. Extremely flammable aerosol. Contents under pressure. Container may explode if heated. Do not puncture. Do not burn
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use. Vapours may form explosive mixture with air.
<b>Conditions to avoid</b>	Heat. Sources of ignition. Direct sunlight. Incompatible materials.
<b>Incompatible materials</b>	Strong oxidizing agents. Metals. Strong acids. Strong bases.
<b>Hazardous decomposition products</b>	May include, and are not limited to: oxides of carbon, hydrogen fluoride, carbonyl fluoride.

## Section 11 - Toxicological Information

Acute Toxicity	Not Classified
<b>GB Air Duster</b>	
LD50 Oral Rat	NDA
LD50 Oral Rabbit	NDA
LC50 Inhalation Rat	NDA

## Section 12 - Ecological Information

Ecology - general	Not considered to be harmful to aquatic life.
Persistence and degradability	NDA
Bioaccumulative potential	NDA
Mobility in Soil	NDA
Other adverse effects	NDA
Other Information	NDA

## Section 13 - Disposal Considerations

<b>Waste treatment methods</b>	
Waste disposal recommendations	This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible.
Additional information	Flammable vapours may accumulate in the container. Do not incinerate empty containers

## Section 14 - Transport Information

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Transport Hazard Class(es)	14.4 Packing Group	14.5 Environmental Hazards
<b>DOT</b>	UN1030	1,1-DIFLUOROETHANE (REFRIGERANT GAS R 152A)	2.1	N/A	N/A
<b>TDG</b>	UN1030	1,1-DIFLUOROETHANE (REFRIGERANT GAS R 152A)	2.1	N/A	N/A
<b>IMO/IMDG</b>	UN1030	1,1-DIFLUOROETHANE (REFRIGERANT GAS R 152A)	2.1	N/A	N/A
<b>IATA/ICAO</b>	UN1030	1,1-DIFLUOROETHANE (REFRIGERANT GAS R 152A)	2.1	N/A	N/A
<b>Special precautions for user</b>			Do not handle until all safety precautions have been read and understood.		
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>			N/A		

## Section 15 - Regulatory Information

<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>
<b>EU-Regulations</b>
No REACH Annex XVII restrictions.
Contains no REACH candidate substance.
Contains no REACH Annex XIV substances.
<b>National regulations</b>
NDA

## Section 16 - Other Information

<b>Last Revision Date:</b>	
<b>Preparation Date:</b>	
<b>Disclaimer/Statement of Liability:</b>	<p>The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstance of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.</p>

Key to abbreviations			
<b>ACGIH</b>	American Conference of Governmental Industrial Hygiene	<b>TWA</b>	Time-Weighted Averages are based on 8h/day, 40h/week exposures
<b>NIOSH</b>	National Institute of Occupational Safety and Health	<b>STEL</b>	Short Term Exposure Limits are based on 15-minute exposures
<b>OSHA</b>	Occupational Safety and Health Administration	<b>STEV</b>	Short Term Exposure Value
<b>MSHA</b>	Mine Safety and Health Administration	<b>TWAEV</b>	Time Weighted Average Exposure Values
<b>MARPOL 73/78</b>	International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978 relating thereto, as amended.	<b>IBC Code</b>	International Bulk Chemical Code
<b>IMDG</b>	International Maritime Dangerous Goods	<b>CEPA</b>	<i>Canadian Environmental Protection Act</i>
<b>WHMIS</b>	Workplace Hazardous Materials Information System	<b>CERCLA</b>	Comprehensive Environmental Response, Compensation, and Liability Act
<b>SARA</b>	Superfund Amendments and Reauthorization Act	<b>TPQs</b>	Threshold Planning Quantities
<b>EPCRA RQ</b>	Emergency Planning & Community Right-to-Know Act Reportable Quantities	<b>PBT</b>	Persistent Bioaccumulative Toxic
<b>N/A</b>	Not Applicable	<b>NDA</b>	Not Data Available

Full text of R-, H- and EUH-phrases	
<b>Aerosol 1</b>	Aerosol, Category 1
<b>Flam. Gas 1</b>	Flammable gases, Category 1
<b>Liquefied gas</b>	Gases under pressure : Liquefied gas
<b>H220</b>	Extremely flammable gas
<b>H222</b>	Extremely flammable aerosol
<b>H229</b>	Pressurized container: May burst if heated
<b>H280</b>	Contains gas under pressure; may explode if heated
<b>R12</b>	Extremely flammable
<b>F+</b>	Extremely flammable