

# SAFETY DATA SHEET

## 1. Identification

**Product identifier** Compressed Gas Duster  
**Other means of identification** **OMC99290-98113-98114**  
**Product code**  
**Recommended use** cleaner  
**Recommended restrictions** None known.  
**Manufacturer/Importer/Supplier/Distributor information**  
**Manufacturer**  
**Company name** GRAND AND TOY.  
**Address** 200 Aviva Park Drive  
Vaughan, Ontario  
Canada  
**Telephone** General Assistance 1-866 391-8111  
**E-mail** Not available.  
**Emergency phone number** Emergency - US 1-866-836-8855  
Emergency - Outside US 1-952-852-4646  
**Supplier** Not available.

## 2. Hazard(s) identification

**Physical hazards** Flammable aerosols Category 1  
**Health hazards** Not classified.  
**Label elements**



**Signal word** Danger  
**Hazard statement** Extremely flammable aerosol.  
**Precautionary statement**  
**Prevention** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use.  
**Response** Wash hands after handling.  
**Storage** Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.  
**Disposal** Dispose of waste and residues in accordance with local authority requirements.  
**Other hazards** None known.  
**Supplemental information** None.

## 3. Composition/information on ingredients

### Mixtures

Chemical name	Common name and synonyms	CAS number	%
1,1-difluoroethane		75-37-6	≤99.99
Denatonium Benzoate		3734-33-6	≤0.01
Other components below reportable levels			100%

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

## **4. First-aid measures**

### **Inhalation Skin contact**

If Symptoms develop move victim to fresh air. Get medical attention if symptoms persist. Wash off with soap and water. Get medical attention if irritation develops and persists.

### **Eye contact Ingestion**

**Most important symptoms/effects, acute and delayed**

**Indication of immediate medical attention and special treatment needed**

**General information**

## **5. Fire-fighting measures**

**Suitable extinguishing media**

**Unsuitable extinguishing media**

**Specific hazards arising from the chemical**

**Special protective equipment and precautions for firefighters**

**Fire fighting equipment/instructions**

**Specific methods**

### **General fire hazards**

Rinse with water. Get medical attention if irritation develops and persists. Rinse mouth. Get medical attention if symptoms occur.

-Direct contact with eyes may cause temporary irritation.

-Treat symptomatically.

-Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Not available.

Do not use water jet as an extinguisher, as this will spread the fire.

Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.

Extremely flammable aerosol.

## **6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

**Methods and materials for containment and cleaning up**

**Environmental precautions**

## **7. Handling and storage**

**Precautions for safe handling**

**Conditions for safe storage, including any incompatibilities**

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Refer to attached safety data sheets and/or instructions for use. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. For waste disposal, see section 13 of the SDS. Avoid discharge into drains, water courses or onto the ground.

Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Level 1 Aerosol.

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. ACGIH Threshold Limit Values

Components	Type	Value
1,1-difluoroethane	STEL	1000ppm

### Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	Type	Value
Denatonium Benzoate	STEL	1000ppm

### Individual protection measures, such as personal protective equipment

**Eye/face protection** - Wear safety glasses with side shields (or goggles).

**Skin protection Hand protection**- Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

**Other Respiratory protection**- Wear suitable protective clothing. If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

**Thermal hazards**- Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations**- When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical and chemical properties

### Appearance

**Physical state** Gas.  
**Form** Aerosol.  
**Color** Not available.

**Odor** Not available.

**Odor threshold** Not available.

**pH** Not available.

**Melting point/freezing point** Not available.

**Initial boiling point and boiling range** -117 °C estimated

**Flashpoint** Not available

**Evaporationrate** Not available.

**Flammability(solid, gas)** Not available.

### Upper/lower flammability or explosive limits

**Flammability limit - lower (%V/V)** Not available.

**Flammability limit - upper (%V/V)** Not available.

**Explosive limit -lower(%V/V) 3.7**

**Explosive limit -**

**upper(%V/V) 18.0**

**Vapor pressure** 531.96KPa ( 21.1°C )

**Vapor density** 2.32 (Air=1.0) at25°C (22°F)

**Relative density** 0.91

### Solubility(ies)

**Solubility (water)** [0.28WT%@25°C](#) and 87psia

**Partition coefficient (n-octanol/water)** Not available.

### Auto-ignitiontemperature

Notavailable.

### Decompositiontemperature

Notavailable.

**Viscosity** Notavailable.

### Other information

**Explosive** 18.0-3.7

**propertiesOxidizing** Not oxidizing.

**properties**

**Specific gravity** 0.971estimated

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	Avoid temperatures exceeding the flash point. Contact with incompatible materials.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	No hazardous decomposition products are known.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	No adverse effects due to inhalation are expected.
<b>Skin contact</b>	No adverse effects due to skin contact are expected.
<b>Eye contact</b>	Direct contact with eyes may cause temporary irritation.
<b>Ingestion</b>	Expected to be a low ingestion hazard.

**Symptoms related to the physical, chemical and toxicological characteristics** Direct contact with eyes may cause temporary irritation.

### Information on toxicological effects

#### Acute toxicity

Components	Species	Test Results
1,1-difluoroethane (CAS 75-28-5) <b>Acute</b> <b>Inhalation</b> LC50	Mouse	977000mg/l, 120Minutes 52 %, 120 Minutes
	Rat	1355mg/l
Denatonium Benzoate(CAS 3734-33-6) <b>Acute</b> <b>Inhalation</b> LC50	Mouse	1430 mg/l, 120Minutes 52 %, 120 Minutes
	Rat	1355mg/l 658 mg/l/4h

\* Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation** Prolonged skin contact may cause temporary irritation.

<b>Serious eye damage/eye irritation</b>	Direct contact with eyes may cause temporary irritation.
<b>Respiratory or skin sensitization</b>	
<b>Respiratory sensitization</b>	Not a respiratory sensitizer.
<b>Skin sensitization</b>	This product is not expected to cause skin sensitization.
<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
<b>Carcinogenicity</b>	Not available.
<b>Reproductive toxicity</b>	This product is not expected to cause reproductive or developmental effects.
<b>Specific target organ toxicity - single exposure</b>	Not classified.
<b>Specific target organ toxicity - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	Not likely, due to the form of the product.

## 12. Ecological information

<b>Ecotoxicity</b>	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
<b>Persistence and degradability</b>	No data is available on the degradability of this product.
<b>Bioaccumulative potential</b>	

### Partition coefficient n-octanol / water (log Kow)

1,1-difluoroethane (CAS 75-28-5)	0.76
Denatonium Benzoate (CAS 3734-33-6)	5.2

<b>Mobility in soil</b>	No data available.
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### Other adverse effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal considerations

<b>Disposal instructions</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Hazardous waste code</b>	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

## 14. Transport information

<b>TDG</b>	
<b>UN number</b>	UN1950
<b>UN proper shipping name</b>	AEROSOLS, flammable
<b>Transport hazard class(es)</b>	
<b>Class</b>	2.1
<b>Subsidiary risk</b>	-
<b>Packing group</b>	Not applicable.
<b>Environmental hazards</b>	D
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling. This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity.

### IATA

<b>UN number</b>	UN1950
<b>UN proper shipping name</b>	Aerosols, flammable
<b>Transport hazard class(es)</b>	
<b>Class</b>	2.1
<b>Subsidiary risk</b>	-

<b>Label(s) Packing group</b>	2.1 Not applicable.
<b>Environmental hazards</b>	No.
<b>ERG Code</b>	10L
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.
<b>Other information</b>	
<b>Passenger and cargo aircraft</b>	Allowed with restrictions.
<b>Cargo aircraft only</b>	Allowed with restrictions.
<b>IMDG</b>	
<b>UN number</b>	UN1950
<b>UN proper shipping name</b>	AEROSOLS
<b>Transport hazard class(es)</b>	
<b>Class</b>	2.1
<b>Subsidiary risk</b>	-
<b>Label(s)</b>	2.1
<b>Packing group</b>	Not applicable.
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	No.
<b>EmS</b>	F-D, S-U
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling. Read safety instructions, SDS and emergency procedures before handling.
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not applicable.
<b>IATA; IMDG; TDG</b>	



## 15. Regulatory information

### Canadian regulations

#### Controlled Drugs and Substances Act

Not regulated.

#### Export Control List (CEPA 1999, Schedule 3)

Not listed.

#### Greenhouse Gases

Not listed.

#### Precursor Control Regulations

Not regulated.

### International regulations

#### Stockholm Convention

Not applicable.

#### Rotterdam Convention

Not applicable.

#### Kyoto protocol

Not applicable.

#### Montreal Protocol

Not applicable.

**Basel Convention**

Not applicable.

**International Inventories**

Country(s) or region	Inventory name	On inventory(yes/no)*
Australia	Australian Inventory of Chemical Substances(AICS)	N
Canada	Domestic Substances List(DSL)	Y <sup>o</sup>
Canada	Non-Domestic Substances List(NDSL)	N <sup>o</sup>
China	Inventory of Existing Chemical Substances in China(IECSC)	N <sup>o</sup>
Europe	European Inventory of Existing Commercial Chemical Substances(EINECS)	No
Europe	European List of Notified Chemical Substances(ELINCS)	N
Japan	Inventory of Existing and New Chemical Substances(ENCS)	N <sup>o</sup>
Korea	Existing Chemicals List(ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances(PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other Information****Issue date**

08-01-2018

**Version#**

01

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**Revision information**

Product and Company Identification: Alternate Trade Names