



## Global Deluxe Smoke Fluid Aerosol Safety Data Sheet

### Section 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

<b>Product name</b>	Global Deluxe Smoke Fluid Aerosol 400ml (For MiniMist and MicroFog)
<b>Product number</b>	LM1911/GS0017
<b>Registration number (REACH)</b>	Not relevant (mixture)
<b>Unique formula identifier</b>	J110-DoY8-J007-04AF

#### 1.2. Relevant identified uses of the substance or mixture

<b>Identified Uses</b>	Professional use.
<b>Uses Advised Against</b>	Applications which do not fulfill the above-mentioned purpose.

#### 1.3. Details of the supplier of the safety data sheet

Green Star,  
Steenpad 21H  
4797 SG Willemstad  
Tel: +31 168 473 194  
Email: [info@green-star.nl](mailto:info@green-star.nl) (competent person)  
Web: <http://www.green-star.nl>

#### 1.4. Emergency telephone Nos

+31 168 473 194  
During office hours: Mon-Fri  
09.00-17.00

**Netherlands**

Poison Centre  
National  
Vergiftigingen  
Informatie Centrum  
(UMC Utrecht) for  
emergency services  
only:  
Tel: +31 88 755 8000

**Great Britain**

National Poisons Information helpline:  
Tel: +44 (0)344 892 0111  
NHS 111/NHS 24:  
Tel: 111

**Republic of Ireland**

National Poisons Information helpline  
Tel: +44 (0)1 809 2166

**Section 2: Hazards identification****2.1. Classification of the substance or mixture classification**

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

**Section:** 2.3

**Hazard Class:** Aerosols

**Category:** 1

**Hazard Class & Category:** Aerosol 1

**Hazard statement:** H222, H229

**Additional information**

Full text of H-phrases: see Section 16

**2.2 Label elements**

Labelling according to Regulation (EC) No 1272/2008  
(CLP)

**Hazard pictograms**

GHS02

**Signal word**

Danger

**Hazard statements**

**H222**

Extremely flammable aerosol.

**H229**

Pressurized container: may burst if heated.

## Precautionary statements:

### Prevention

#### P210

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

#### P211

Do not spray on a naked 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

### Additional labelling according to Directive 75/324/EEC relating to aerosol dispensers

Extremely flammable. Pressurized container: may burst if heated. Keep away from heat, hot surfaces, sparks, naked flames and other ignition sources. No smoking. Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

### 2.1. Other hazards

There is no additional information.

### Results of PBT and vPvB assessment

Does not contain any substances that are assessed to be PBT or vPvB  $\geq 0.1$  %

### Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC) in a concentration of  $\geq 0.1$  %

## Section 3: Composition/information on ingredients







### 3.1. Substances

Not relevant (mixture)

### 3.2. Mixtures

This product does not contain (other) ingredients which are classified according to present knowledge of the supplier and contribute to the classification of the product, and hence require reporting in this section.

REACH information: in order to use the most up to date information we have incorporated data available via the public REACH dossier into the data sheet.

Substance name	CAS No.	INDEX No. & REACH No.	EC No.	Wt%	GHS Classification	Pictograms	Notes
Propane	74-98-6	601-003-00-5 REACH Reg No 01-2119486944-21-xxxx	200-827-9	2.5-<5 %	Flam. Gas 1A Press. Gas C H220 H280	 	GHS-HC U(b)
Isobutane (with <0.1% butadiene)	75-28-5	601-004-00-0 REACH Reg No 01-2119485395-27-xxxx	200-857-2	2.5-<5 %	Flam. Gas 1A Press. Gas C H220 H280	 	C(a) GHS-HC U(b)
Butane	106-97-8	601-004-00-0 REACH Reg No 01-2119474691-32-xxxx	203-448-7	2.5-<5 %	Flam. Gas 1A Press. Gas C H220 H280	 	C GHS-HC U(b)

## **Notes**

C(a)	Mixture of isomers
C	Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case, the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.
GHS-HC	Harmonised classification (the classification of the substance corresponds to the entry in the list according to 1272/2008/EC, Annex VI).
U(b)	The allocation to the group 'compressed gas' is based on the physical state in which the gas is packaged.

## **Additional information**

All the percentages given are percentages by weight unless stated otherwise. For full text of H-phrases see Section 16.

## **Section 4: First aid measures**

### **4.1. Description of first aid measures**

#### **General information**

Do not leave affected person unattended. Remove away from the danger area. If unconscious, place in the recovery position. Never give anything by mouth. Remove all contaminated clothing. If in any doubt, or if symptoms persist, seek medical attention immediately.

#### **After inhalation**

Provide fresh air. In case of shortness of breath or if breathing has stopped, seek medical attention immediately and administer first aid. In case of respiratory tract irritation, consult a doctor.

#### **After skin contact**

Wash off immediately with plenty of soap and water. If a rash or skin irritation occurs, seek medical attention.

#### **After eye contact**

Rinse eye(s) thoroughly with plenty of water for at least 15 minutes, holding eyelids apart. Remove any contact lenses if this can be done safely. Continue to rinse. If eye irritation persists, consult an eye specialist as soon as possible.

#### **After swallowing**

Rinse mouth thoroughly with water if person is conscious. Never give anything by mouth to an unconscious person. If feeling unwell, call a doctor immediately.

### **4.2. Most important symptoms and effects, both acute and delayed**

Symptoms and effects are not known to date.

### **4.3 Indication of any immediate medical attention and special treatment needed**

For specialist advice, medical doctors should contact the poison centre.

## Section 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing agents** Use water spray or dry chemical extinguishers. Firefighting measures should be appropriate to surroundings.

**For safety reasons unsuitable extinguishing agents** Water jet

### 5.2. Special hazards arising from the substance or mixture

#### **Hazardous combustion products**

During heating or in case of fire, hazardous gas/fumes/vapours may be produced.

### 5.3. Advice for firefighters

In case of fire and/or explosion, do not inhale fumes. Firefighting measures should be chosen in accordance with surroundings. Collect contaminated firewater separately and do not allow to enter drains or water courses. Fight fire from a safe distance and while taking usual precautions.

#### **Special protective equipment for firefighters**

Self-contained breathing apparatus (EN 133) and standard protective clothing.

## Section 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

#### **Non-emergency personnel**

Remove people to safety and keep away from and also upwind of spill/leak. Ventilate affected area.

#### **Emergency personnel**

Wear breathing apparatus if exposed to vapours/dust/spray/gases and protective equipment as required.

### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Collect and dispose of contaminated firewater.

### 6.3 Methods and materials for containment and cleaning up

#### **Advice on how to contain a spill**

Covering of drains.

#### **Other information relating to spills and releases**

Place in appropriate containers for disposal. Ventilate affected area.



#### Reference to other sections

See Section 5 for hazardous combustion products.  
See Section 8 for personal protective equipment.  
See Section 10 for incompatible materials.  
See Section 13 for disposal considerations.

## **Section 7: Handling and storage**

### **7.1. Precautions for safe handling**

#### **Recommended measures to prevent fire as well as aerosol and dust generation**

Use local and general ventilation and restrict use to well-ventilated areas. Ground/bond container and receiving equipment.

#### **Advice on occupational hygiene**

Wash hands after use. Take off all contaminated clothing and protective equipment immediately, and before entering eating areas. Do not breathe gas/fumes/vapours/spray. Avoid contact with the skin and the eyes. Keep away from food, drink and animal foodstuffs and do not place chemicals in containers that are usually used for food and drink. Smoking, eating and drinking should be prohibited in the application area.

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

#### **Management of associated risks**

- Flammability hazards  
Keep away from heat, hot surfaces, sparks, naked flames and other ignition sources. Do not smoke. Do not spray on a naked flame or other ignition source. Protect from sunlight.
- Incompatible substances or mixtures  
Keep away from acids, alkalis and oxidizing substances.

#### **Control of effects**

- Protect from external exposure such as high temperatures, UV-radiation/sunlight, and frost.

#### **Other considerations**

- Store in a well-ventilated place. Keep the container tightly sealed.
- Packaging: only approved packaging (eg acc. to ADR) should be used.

### **7.2. Specific end use(s)**

There is no additional information.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

#### National limit values

No information available.

#### Relevant DNELs/DMELs/PNECs and other threshold levels

No data available.

### 8.2. Exposure controls

#### Appropriate engineering controls

General ventilation.

#### Personal protective equipment

- Eye/face protection  
Use safety goggles with side protection (EN 166).
- Skin protection  
Protective clothing (EN 340 & EN 13688)
- Hand protection  
Wear suitable gloves, for example, chemical protection gloves tested according to EN 374. Suitability does not only depend on the material but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.
- Type of material  
Nitrile rubber.
- Material thickness  
Use gloves with a minimum material thickness of  $\geq 0.38\text{mm}$
- Breakthrough time of the glove material  
Use gloves with a minimum breakthrough time of the glove material of  $>480$  minutes (permeation level 6).
- Other protection measures  
Take recovery periods for skin regeneration. Use of preventative skin protection eg barrier creams or ointments, is recommended. Wash hands thoroughly after use. Provision of eyewash stations and safety showers in the workplace.



#### Respiratory protection

During spraying, wear suitable respiratory equipment. In poorly ventilated areas, wear respiratory protection. Full face mask/half mask/quarter mask (EN 136/140). Type: ABEK-P2 (combined filters against gases, vapours and particles, colour code: Brown/Grey/Yellow/Green/White).

#### Environmental exposure controls

Take appropriate precautions to avoid uncontrolled release into the environment. Keep away from drains, surface and ground water.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>Physical state</b>	Liquid, gaseous (spray aerosol)
<b>Colour</b>	Colourless
<b>Odour</b>	Characteristic
<b>Melting/freezing point</b>	Not determined
<b>Boiling point/initial boiling point/boiling range</b>	-161.5 °C at 1.013 hPa calculated value referring to a component of the mixture
<b>Flammability</b>	Flammable aerosol in accordance with GHS criteria
<b>Lower and upper explosion limit</b>	LEL 2.7 vol % / UEL 19 vol % calculated value referring to a component of the mixture
<b>Flash point</b>	-88.6 °C at 1.013 hPa (fluid) calculated value
<b>Auto-ignition temperature</b>	370 °C (auto-ignition temperature (liquid and gases)) calculated value referring to a component of the mixture
<b>Decomposition temperature</b>	No data available
<b>pH (value)</b>	7.1
<b>Kinematic viscosity</b>	Not relevant
<b>Solubility</b>	Not determined
<b>Partition coefficient n-octanol/water (log value)</b>	No available information
<b>Vapour pressure</b>	20 Pa at 25 °C calculated value referring to a component of the mixture
<b>Density</b>	Not determined
<b>Particle characteristics</b>	Not relevant (aerosol)

## Section 11: Toxicological effects

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Test data for the complete mixture are not available.

#### Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).



## Classification according to GHS (1272/2008/EC, CLP)

<b>Acute toxicity</b>	Shall not be classified as acutely toxic.
<b>Skin corrosion/irritation</b>	Shall not be classified as corrosive/irritant to skin
<b>Serious eye damage/eye irritation</b>	Shall not be classified as seriously damaging to the eye or eye irritant
<b>Respiratory or skin sensitisation</b>	Shall not be classified as a respiratory or skin sensitiser
<b>Germ cell mutagenicity</b>	Shall not be classified as germ cell mutagenic
<b>Carcinogenicity</b>	Shall not be classified as carcinogenic
<b>Reproductive toxicity</b>	Shall not be classified as a reproductive toxicant
<b>Specific target organ toxicity – single exposure</b>	Shall not be classified as a specific target organ toxicant- (single exposure)
<b>Specific target organ toxicity – repeated exposure</b>	Shall not be classified as a specific target organ toxicant- (repeated exposure)
<b>Aspiration hazard</b>	Shall not be classified as presenting an aspiration hazard

### 11.2 Information on other hazards

#### Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC) in a concentration of  $\geq 0.1$  %

#### Other information

There is no additional information.

## Section 12: Ecological information

### 12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

#### Aquatic toxicity (acute) of components of the mixture

Substance name	CAS No.	Endpoint	Value	Species	Exposure time
Propane	74-98-6	LC50	49.9 mg/l	Fish	96 h
Propane	74-98-6	EC50	19.37 mg/l	Algae	96 h
Isobutane (with < 0.1 % butadiene)	75-28-5	LC50	49.9 mg/l	Fish	96 h
Isobutane (with < 0.1 % butadiene)	75-28-5	EC50	19.37 mg/l	Algae	96 h
Butane	106-97-8	LC50	49.9 mg/l	Fish	96 h
Butane	106-97-8	EC50	19.37 mg/l	Algae	96 h

### 12.2 Persistence and degradability

No available data.

### **12.3 Bioaccumulative potential**

No available data.

### **12.4 Mobility in soil**

No available data.

### **12.5 Results of PBT and vPvB assessment**

Does not contain any substances that are assessed to be PBT or vPvB  $\geq 0.1\%$ .

### **12.6 Endocrine disrupting properties**

Does not contain an endocrine disruptor (EDC) in a concentration of  $\geq 0.1\%$ .

### **12.7 Other adverse effects**

No available data.

## **Section 13: Disposal considerations**

### **13.1 Waste treatment methods**

#### **Sewage disposal-relevant information**

Do not empty into drains. Avoid release to the environment.

#### **Waste treatment of containers / packaging**

It is dangerous waste. Approved packaging only to be used (eg acc. to ADR). Completely empty packaging may be recycled. Handle contaminated packaging in the same way as the substance itself.

#### **Remarks**

Please adhere to the relevant national or regional policies. Waste should be separated into categories manageable by local or national waste management facilities.

## **Section 14: Transport information**

### **14.1 UN number or ID number**

ADR/RID/ADN	UN 1950
IMDG-Code	UN 1950
ICAO-TI	UN 1950

### **14.2 UN proper shipping name**

ADR/RID/ADN	AEROSOLS flammable
IMDG-Code	AEROSOLS
ICAO-TI	Aerosols, flammable

### **14.3 Transport hazard class(es)**

ADR/RID/ADN	2 (2.1)
IMDG-Code	2.1
ICAO-TI	2.1

### **14.4 Packing group**

Not assigned

#### 14.5 Environmental hazards

non-environmentally hazardous according to the dangerous goods regulations

#### 14.6 Special precautions for user

Provisions for dangerous goods (ADR) should be complied within the premises.

#### 14.7 Maritime transport in bulk according to IMO instruments

No available data.

#### Information for each of the UN Model Regulations

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN) - additional information

Classification code 5F  
Danger label(s) 2.1



Special provisions (SP) 190, 327, 344, 625  
Excepted quantities (EQ) Eo  
Limited quantities (LQ) 1 L  
Transport category (TC) 2  
Tunnel restriction code (TRC) D

International Maritime Dangerous Goods Code (IMDG) - additional information

Marine pollutant -  
Danger label(s) 2.1



Special provisions (SP) 63, 190, 277, 327, 344, 381, 959  
Excepted quantities (EQ) Eo  
Limited quantities (LQ) 1 L  
EmS F-D, S-U  
Stowage category -

International Civil Aviation Organization (ICAO-IATA/DGR) - additional information

Danger label(s) 2.1



Special provisions (SP) A145, A167  
Excepted quantities (EQ) Eo  
Limited quantities (LQ) 30 kg

## Section 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Relevant provisions of the European Union (EU)

Restrictions according to REACH, Annex XVII

Name	Name acc. to inventory	Restriction	No
Butane	Flammable / pyrophoric	R40	40
Isobutane (with < 0.1 % butadiene)	Flammable / pyrophoric	R40	40
Propane	Flammable / pyrophoric	R40	40

Legend: R40

1. Shall not be used, as substance or as mixtures in aerosol dispensers where these aerosol dispensers are intended for supply to the general public for entertainment and decorative purposes such as the following:

- metallic glitter intended mainly for decoration,
- artificial snow and frost,
- 'whoopie' cushions,
- silly string aerosols,
- imitation excrement,
- horns for parties,
- decorative flakes and foams,
- artificial cobwebs,
- stink bombs.

2. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of substances, suppliers shall ensure before the placing on the market that the packaging of aerosol dispensers referred to above is marked visibly, legibly and indelibly with: 'For professional users only'.

3. By way of derogation, paragraphs 1 and 2 shall not apply to the aerosol dispensers referred to Article 8 (1a) of Council Directive 75/ 324/EEC (2).

4. The aerosol dispensers referred to in paragraphs 1 and 2 shall not be placed on the market, unless they conform to the requirements indicated.

List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list

None of the ingredients are listed.

### Seveso Directive

2012/18/EU (Seveso III)			
No	Dangerous substance / hazard categories	Qualifying quantity (tonnes) for the application of lower and upper-tier requirements	Notes
P3a	Flammable aerosols (containing Flam. Gas or Flam. Liq., cat. 1)	150 500	46)

Notation 46)

'flammable' aerosols category 1 or 2, containing flammable gases category 1 or 2 or flammable liquids category 1

Note: qualifying quantity = net

## Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

None of the ingredients are listed.

## Water Framework Directive (WFD)

None of the ingredients are listed.

## Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors, amending Regulation (EC) No 1907/2006 and repealing Regulation (EU) No 98/2013

None of the ingredients are listed.

## Regulation on persistent organic pollutants (POP)

None of the ingredients are listed.

## National regulations (Netherlands) SZW-lijst CMR effects

None of the ingredients are listed.

## List of Substances of Very High Concern, Rijksinstituut voor Volksgezondheid en Milieu (RIVM)

Name acc. to inventory	CAS No	Dust class for air emissions	Remarks	Threshold mass flow	Emission limit value
Butane	106-97-8	MVP 2	rem-31 rem-75	2.5 g/uur	1 mg/Nm <sup>3</sup>
Isobutane	75-28-5	MVP 2	rem-31 rem-75	2.5 g/uur	1 mg/Nm <sup>3</sup>

### Legend

rem-31      Containing 0.1 per cent or more butadiene (203-450-8)  
rem-75      This substance is not listed in appendix 12a of the Environmental Management Activities Regulations but falls under another substance, the substance class shown, limit mass flow rate and emission limit value are those of the other substance and are also valid for this substance.

## 15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

## Section 16: Other information

### Abbreviations and acronyms

- ADN: Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
- ADR: Accord européen sur le transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- ADR/RID/ADN: Agreements concerning the International Carriage of Dangerous Goods by Road/Rail/Inland Waterways
- CAS: Chemical Abstracts Service (division of the American Chemical Society) that maintains the most comprehensive list of chemical substances
- CLP: Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
- CMR: Carcinogenic, Mutagenic or toxic for Reproduction
- DGR: Dangerous Goods Regulations (see IATA/DGR)

- DMEL: Derived Minimal Effect Level
- DNEL: Derived No-Effect Level
- EC50: Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (eg on growth) during a specified time interval
- EC No: The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- EmS: Emergency Schedule
- Flam. Gas: Flammable Gas
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals developed by the UN
- IATA: International Air Transport Association
- IATA/DGR: Dangerous Goods Regulation (DGR) for air transport (IATA)
- ICAO: International Civil Aviation Organization
- ICAO-TI: Technical instructions for the safe transport of dangerous goods by air
- IMDG: International Maritime Code for Dangerous Goods
- IMDG-Code: International Maritime Code for Dangerous Goods
- Index No: The index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008
- LC50: Lethal concentration, 50 %: The LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval
- LEL: Lower explosion limit (LEL)
- NLP: No-Longer Polymer
- PBT: Persistent, Bioaccumulative and Toxic
- PNEC: Predicted No-effect Concentration
- Press. Gas: Gas under pressure
- REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
- RID: Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the international carriage of Dangerous goods by Rail)
- SVHC: Substance of Very High Concern
- UEL: Upper Explosion Limit
- vPvB: Very Persistent and Very Bioaccumulative

### **Further information**

#### **Key literature references and sources for data**

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.  
Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU.

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for air transport (IATA).

#### **Classification procedure**

Physical and chemical properties: the classification is based on tested mixture.

Health hazards, Environmental hazards: the method for classification of the mixture is based on ingredients of the mixture (additivity formula).

#### **List of relevant phrases (code and full text as stated in Sections 2 and 3)**

<b>H220</b>	Extremely flammable gas
<b>H222</b>	Extremely flammable aerosol
<b>H229</b>	Pressurised container: may burst if heated
<b>H280</b>	Contains gas under pressure: may explode if heated

**Other information**

The information provided in this Safety Data Sheet is correct to our knowledge at the date of its revision. It only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality specification, and does not constitute a legal relationship.

The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

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If you have purchased the product for supply to a third party, it is your duty to take all necessary steps to ensure that any person handling and using the product is provided with the information in this sheet.