

**Eco Booster #G-2044 / Eco Booster PRO #G-2046**

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

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**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Use of the substance/mixture**

Pressurized Air Spray

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

Company name: GREEN CLEAN GmbH.  
Street: Trimmelkammer Str. 16  
Place: A-5120 St.Pantaleon  
Telephone: +43 (0)6277 62304  
e-mail: [office@green-clean.at](mailto:office@green-clean.at)  
Internet: [www.green-clean.at](http://www.green-clean.at)

**1.4. Emergency telephone number:** public emergency number

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Regulation (EC) No. 1272/2008**

Hazard categories:  
Aerosol: Aerosol 1  
Hazard Statements:  
Extremely flammable aerosol.  
Pressurised container: May burst if heated.

**2.2. Label elements**

**Regulation (EC) No. 1272/2008**

**Signal word:** Danger

**Pictograms:**



**Hazard statements**

H222 Extremely flammable aerosol.  
H229 Pressurised container: May burst if heated.

**Precautionary statements**

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.

**2.3. Other hazards**

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

**SECTION 3: Composition/information on ingredients**

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### 3.2. Mixtures

#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
75-28-5	isobutane			50 - 100 %
	200-857-2	601-004-00-0	01-2119485395-27	
	Flam. Gas 1, Liquefied gas; H220 H280			
74-98-6	propane			25 - 50 %
	200-827-9	601-003-00-5	01-2119486944-21	
	Flam. Gas 1, Liquefied gas; H220 H280			

Full text of H and EUH statements: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Move victim out of danger zone. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

#### After inhalation

Provide fresh air. In case of irregular breathing or respiratory arrest provide artificial respiration.

#### After contact with skin

In case of frostbite, wash with plenty of water; do not remove clothing. In case of skin irritation, seek medical treatment.

#### After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

#### After ingestion

not relevant

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

No further data available.

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

First Aid, decontamination, treatment of symptoms.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Carbon dioxide (CO<sub>2</sub>), Foam, Extinguishing powder

#### Unsuitable extinguishing media

Full water jet

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

In case of fire may be liberated: Carbon dioxide (CO<sub>2</sub>), Carbon monoxide.  
Vapours may form explosive mixtures with air.

### 5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Wear a self-contained breathing apparatus and

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chemical protective clothing.

**Additional information**

Use water spray jet to protect personnel and to cool endangered containers.

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**SECTION 6: Accidental release measures**

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

Provide adequate ventilation. Remove all sources of ignition.  
Avoid contact with skin, eyes and clothes. Do not breathe vapour/aerosol.

**6.2. Environmental precautions**

No special environmental protection measures are necessary.

**6.3. Methods and material for containment and cleaning up**

Provide adequate ventilation. Product Leave to vapourize.

**6.4. Reference to other sections**

Safe handling: see section 7  
Personal protection equipment: see section 8  
Disposal: see section 13

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**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

**Advice on safe handling**

Provide adequate ventilation as well as local exhaust at critical locations. Do not use in enclosed rooms. Do not breathe aerosol.

**Advice on protection against fire and explosion**

Pressurised container: May burst if heated.  
Vapours can form explosive mixtures with air. Take precautionary measures against static discharge.

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

**Requirements for storage rooms and vessels**

Keep in a cool, well-ventilated place.

**Advice on storage compatibility**

Do not store together with: Oxidising agent

**Further information on storage conditions**

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

**7.3. Specific end use(s)**

not applicable

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**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**8.2. Exposure controls**

**Appropriate engineering controls**

Personal protective equipment has to be chosen in accordance with workplace specific conditions, e. g. concentration of the product. Chemical resistance has to be clarified with the supplier of protective equipment.

**Protective and hygiene measures**

Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff. Remove contaminated, saturated clothing immediately.

**Eye/face protection**

Wear eye/face protection.

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### Hand protection

Tested protective gloves are to be worn: heat insulating.  
The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

### Skin protection

Wear anti-static footwear and clothing

### Respiratory protection

Respiratory protection necessary at: insufficient ventilation.  
Filtering device (full mask or mouthpiece) with filter: AX

### Environmental exposure controls

See section 7. No additional measures necessary.

## SECTION 9: Physical and chemical properties

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

Physical state:	Aerosol	
Colour:	colourless	
Odour:	characteristic	
pH-Value:		not applicable

### Changes in the physical state

Melting point:		not applicable
Initial boiling point and boiling range:		not applicable
Flash point:		not applicable

### Explosive properties

In use, may form flammable/explosive vapour-air mixture.

Lower explosion limits:		1,5 vol. %
Upper explosion limits:		10,9 vol. %
Ignition temperature:		not determined
Vapour pressure:		not determined
Density:		0,585 g/cm <sup>3</sup>
Water solubility:		practically insoluble
Viscosity / dynamic:		not applicable
Viscosity / kinematic:		not applicable
Vapour density:		not determined
Evaporation rate:		not determined

### 9.2. Other information

none

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

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Exothermic reaction with: Oxidising agent, strong

### 10.4. Conditions to avoid

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

### 10.5. Incompatible materials

No information available.

### 10.6. Hazardous decomposition products

Carbon dioxide (CO<sub>2</sub>), Carbon monoxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Toxicokinetics, metabolism and distribution

There are no data available on the mixture itself.

#### Acute toxicity

Based on available data, the classification criteria are not met.

#### Irritation and corrosivity

Based on available data, the classification criteria are not met.

#### Sensitising effects

Based on available data, the classification criteria are not met.

#### Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

#### STOT-single exposure

Based on available data, the classification criteria are not met.

#### STOT-repeated exposure

Based on available data, the classification criteria are not met.

#### Aspiration hazard

Based on available data, the classification criteria are not met.

### Further information

Can cause frostbite.

## SECTION 12: Ecological information

### 12.1. Toxicity

There are no data available on the mixture itself.

### 12.2. Persistence and degradability

Evaluation: not persistent.

### 12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
75-28-5	isobutane	2,8
74-98-6	propane	2,36

### 12.4. Mobility in soil

At normal temperatures a very volatile or gaseous product, which can easily escape into the atmosphere.

### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

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### 12.6. Other adverse effects

none

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Advice on disposal

Dispose of waste according to applicable legislation.

#### Waste disposal number of waste from residues/unused products

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

#### Waste disposal number of contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

#### Contaminated packaging

Dispose of waste according to applicable legislation.

## SECTION 14: Transport information

### Land transport (ADR/RID)

14.1. UN number: UN 1950  
14.2. UN proper shipping name: AEROSOLS  
14.3. Transport hazard class(es): 2  
14.4. Packing group: -  
Hazard label: 2.1



Classification code: 5F  
Special Provisions: 190 327 344 625  
Limited quantity: 1 L  
Excepted quantity: E0  
Transport category: 2  
Tunnel restriction code: D

#### Other applicable information (land transport)

Transport as "limited quantity" according to chapter 3.4 ADR/RID.

### Inland waterways transport (ADN)

14.1. UN number: UN 1950  
14.2. UN proper shipping name: AEROSOLS  
14.3. Transport hazard class(es): 2  
14.4. Packing group: -  
Hazard label: 2.1

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Classification code: 5F  
Special Provisions: 190 327 344 625  
Limited quantity: 1 L  
Excepted quantity: E0

### Marine transport (IMDG)

14.1. UN number: UN 1950  
14.2. UN proper shipping name: AEROSOLS  
14.3. Transport hazard class(es): 2  
14.4. Packing group: -  
Hazard label: 2, see SP63

Marine pollutant: -  
Special Provisions: 63, 190, 277, 327, 344, 959  
Limited quantity: 1000 mL  
Excepted quantity: E0  
EmS: F-D, S-U

### Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN 1950  
14.2. UN proper shipping name: AEROSOLS  
14.3. Transport hazard class(es): 2.1  
14.4. Packing group: -  
Hazard label: 2.1



Special Provisions: A145 A167 A802  
Limited quantity Passenger: 30 kg G  
Passenger LQ: Y203  
Excepted quantity: E0  
IATA-packing instructions - Passenger: 203  
IATA-max. quantity - Passenger: 75 kg  
IATA-packing instructions - Cargo: 203  
IATA-max. quantity - Cargo: 150 kg

### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

### 14.6. Special precautions for user

see section 6 - 8

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not relevant

## SECTION 15: Regulatory information

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

#### EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 28: isobutane

2010/75/EU (VOC): 100 %

#### National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water contaminating class (D): - - not water contaminating

### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

### Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Aerosol 1; H222-H229	On basis of test data

#### Relevant H and EUH statements (number and full text)

H220 Extremely flammable gas.  
H222 Extremely flammable aerosol.  
H229 Pressurised container: May burst if heated.  
H280 Contains gas under pressure; may explode if heated.

#### Further Information

Data sources: Data arise from reference works and literature.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*