



## SAFETY DATA SHEET

### Freezone Big Smoke Garlic Smoke Generator

#### SECTION 1. IDENTIFICATION

Product name: Freezone Big Smoke Garlic

Recommended Use: Natural Fertiliser

Restrictions on Use: None specified.

Supplier of SDS: Freezone Public Health Pty Ltd

Supplier Address: 18 Gilpin Street  
Shorncliffe QLD 4017

Supplier Phone: 07 3869 4436

Supplier Fax: 07 3869 4433

Supplier Email: [info@freezone.net.au](mailto:info@freezone.net.au)

Emergency Telephone Number: Craig Jephcott 0412 200 252  
Poisons Information Centre 13 11 26

#### SECTION 2. HAZARD(S) IDENTIFICATION

##### Classification of the substance or mixture

##### Label Elements and Precautionary Statements

Hazard Pictograms: Environment



Hazard Statements: H412 Harmful to aquatic life with long lasting effects

Precautionary Statements: P101 If medical is needed, have product container or label at hand  
P102 Keep out of reach of children  
P273 Avoid release to the environment  
P501 Dispose of contents/container to proper disposal

SECTION 3. COMPOSITION AND INFORMATION ON INGREDIENTS

<p><b>Potassium chlorate</b> contains 10 -20% w/w CAS number: 3811-04-9 EC number: 223-289-7</p>	<p><b>Classification</b> Signal word Danger Hazard statement(s) H271 May cause fire or explosion; strong oxidiser. H302 Harmful if swallowed. H332 Harmful if inhaled. H411 Toxic to aquatic life with long lasting effects.</p>
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Information to exposure limit values - see section 8.

**SECTION 4. FIRST AID MEASURES**

**First aid measures**

General information	Remove contaminated, soaked clothing immediately and dispose of safely.
Inhalation	Remove patient from exposure, keep warm and at rest. Obtain medical attention as a precaution.
Ingestion	If swallowed wash out mouth with water, seek medical advice immediately and show the container, label or this Data Sheet, if possible. Do not induce vomiting.
Skin contact	Take off immediately all contaminated clothing. Wash skin immediately with water, followed by soap and water. Such action is essential to minimise contact with skin. If symptoms persist or in all cases of doubt seek medical advice.
Eye contact	Immediately irrigate with clean water, holding the eyelids apart, for at least 15 minutes. Obtain immediate medical attention.

**Symptoms and effects**

Symptoms Local	May cause skin and eye irritation. Inhalation may provoke the following symptoms: irritation, cough.
Symptoms Systemic	Excitement, gastrointestinal discomfort, tremor, Dizziness, headache, listlessness, nausea and vomiting, epigastric pain.
Risks	This product/preparation contains a Potassium Chlorate

**Immediate Medical Attention**

Treatment	No specific antidote known. Treatment: symptomatic
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**SECTION 5. FIREFIGHTING MEASURES**

Highly flammable. Ignites readily. Oxidising agent; may assist combustion.  
Keep fire exposed containers cool by spraying with water.

**Extinguishing media**

Suitable extinguishing media	For small fires, use foam, carbon dioxide or dry powder extinguishant. For large fires, use foam or water-fog; avoid use of water jet. Contain run-off water with, for example, temporary earth barriers.
Unsuitable extinguishing media	High volume water jet

**Specific hazards arising from the chemical**

Specific hazards	Irritant fumes can be produced during combustion
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**Special protective equipment**

A self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions	Ensure suitable personal protection during removal of spillages. This means wearing a dustmask, eye protection, chemically resistant gloves (e.g. 0.6 mm nitrile), boots and coveralls. See also Section 8.
Environmental precautions	Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.
Clean up methods	Cover spillage with moist sand or soil. Transfer to a container for disposal. Wash the spillage area with water. Washings must be prevented from entering surface water drains.

**SECTION 7. HANDLING AND STORAGE**

Handling	Read the label before use. Do not breathe smoke. Avoid contact with skin and eyes. When using do not eat, drink or smoke. Wash face and hands before eating, drinking or smoking.
Storage	Keep in original containers, tightly closed, out of reach of children. Keep away from food, drink and animal feeding stuffs. Protect from frost. Storage Life: Physically and chemically stable for at least 2 years when stored in the original unopened sales container at ambient temperatures.

**SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

Exposure Controls	Occupational exposure limits; Hazardous ingredients; Not applicable to field use Potassium chlorate MANUFACTURERS Standard, 8 hr TWA, 5 mg/m <sup>3</sup> . Not applicable to field use.
Personal Protection	When using this product refer to the label for details. In all other cases, use the following Personal Protective Equipment:  Respiratory protection: Wear suitable respiratory protective equipment if exposure to levels above the occupational exposure limit is likely. Respiratory protective equipment should conform to the appropriate EN standard.  Eye protection: Wear suitable eye/face protection conforming to EN 166.  Hand protection: Wear suitable gloves conforming to EN 374.  Body protection: Wear suitable protective clothing.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance Colour	Powder in polypropylene container. Off White
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## Freezone Big Smoke Garlic Smoke Generator

Odour	Characteristic garlic
Melting Point	Not applicable.
Boiling point	Not applicable.
Flash-Point:	Does not flash.
Autoignition temperature	Not available.
Minimum Ignition temp.	>130 °C
Minimum Ignition	Not available.
Oxidizing properties	Oxidising agent; may assist combustion.
Energy Explosive properties	Not applicable.
Vapour pressure	Not available.
Solubility	Partly soluble in/with water.
pH-value (quant.)	Not available.
Partition coeff. (n- octanol/water)	Log Pow: 5.95
Density	Not available.
Chemical stability	Stable at normal conditions
Reactivity	Reacts violently with reducing agents producing toxic and explosive gases
Possibility of hazardous reactions	Reacts violently with reducing agents producing toxic and explosive gases
Conditions to avoid	Heat and ignition sources
Incompatible materials	The product is incompatible with strong reducing agents and acids
Hazardous decomposition	Combustion or thermal decomposition will evolve harmful and irritant vapours.

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Information on toxicological effects

##### Acute toxicity - oral

Notes (oral LD<sub>50</sub>)

LD50 (rat) ca. 2000 mg/kg

Test substance: Information given is based on data on the components and the toxicology of similar products.

##### Acute toxicity - dermal

Notes (dermal LD<sub>50</sub>)

LD50 (rat) >2000 mg/kg

Test substance: Information given is based on data on the components and the toxicology of similar products.

##### Acute toxicity - inhalation

Notes (inhalation LC<sub>50</sub>)

<http://www.sigmaldrich.com/customer-service/quality-systems.html>

##### Skin corrosion/irritation

Animal data

No skin irritation (rabbit)

##### Serious eye damage/irritation

Serious eye damage/irritation

Irritating to eyes. (rabbit)

##### Further Information

Cutaneous sensations may occur, such as burning or stinging on the face and mucosae. However, these sensations cause no lesions and are of a transitory nature (max. 24 hours).

**SECTION 12. ECOLOGICAL INFORMATION**

Use following good practice, avoid to spread it in the environment (see also 6,7,13,14 e 15 sections)

Toxicity	Toxicity to algae static test EC50 - Nitzschia closterium - 2.8 mg/l - 72
Persistence and degradability	No data available.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Results of PBT e vPvB assessment	Potassium Chlorate: it is not PBT and vPvB
Other adverse effects	Toxic to aquatic life with long lasting effects.

**SECTION 13. DISPOSAL CONSIDERATIONS**

General information	In accordance with current regulations may be taken to waste disposal site or incineration plant, after consultation with site operator and/or with the responsible authority. Can be land filled or incinerated, when in compliance with local regulations. Advice may be obtained from local waste regulation authority
Disposal of packaging	Packaging that cannot be cleaned should be disposed of as product waste. Empty containers can be land filled after cleaning, when in compliance with the Environmental Protection Regulations.

**SECTION 14. TRANSPORT INFORMATION**

Rail / Road (RID / ADR)	
Not classified as hazardous for transport	
Sea (IMDG-Code)	
Not classified as hazardous for transport	
Air (ICAO / IATA)	
Not classified as hazardous for transport	

**SECTION 15. REGULATORY INFORMATION**

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

**SECTION 16. OTHER INFORMATION**

Revision date	01/07/20
Revision	1
Supersedes date	n/a
Complete hazard statements	H271 May cause fire or explosion; strong oxidizer H302 Harmful if swallowed H332 Harmful if inhaled H411 Toxic to aquatic life with long last effects

This information is based on our present state of knowledge and according to the last labeling regulation. Do not use the mixture in way different to the one described in the 1 section, without previous written authorization.