

1 Product and retailing company identifications

- 1.1 Product identification:** PYROTECHNIC ARTICLES CATEGORY T1 – Silver Gerb
M1131 Silver Gerb 3 seconds 4 m
M1132 Silver Gerb 7 seconds 4 m
M1131W Silver Gerb 3 seconds 4 m wired
M3132W Silver Gerb 7 seconds 4 m wired
 UN Division: 1.4S
- 1.2 Intended use:** Indoor and outdoor use in theatres and shows or *recreational use*
- 1.3 Company identification:** Illusion Pyrotechnics, Ltd
 The Old Gun Site
 Kingsdown Road - Sittingbourne – Kent
 ME9 0QX
info@illusionpyrotechnics.com
- 1.4 Emergency telephone number:** +44 1795 830383

2 Hazards identification

2.1 Classification of the substance.

This substance is classified as Explosive according to Directive 67/548/EEC (DSD)

This is an Explosive substance according to Regulation (EC) N° 1272/2008 (CLP).

2.2 Label Elements

In accordance with Directive 67/548/EEC:

Human health hazard assessment: Risk of an explosion by shock, friction, fire or other sources of ignition.
 Causes overpressure and heating. May cause physical injury.
 Flammable.
 Fumes resulting from the combustion may cause eye and respiratory tract irritation in the event of gas accumulation.

Environmental hazard assessment: No particular hazards known

R phrase: R2: Risk of explosion by shock, friction, fire or other sources of ignition.

R10: Flammable.

S phrase: S7: Keep container tightly closed.

S8: Keep container dry.

S15: Keep away from heat.

S16: Keep away from sources of ignition – No smoking.

S33: Take precautionary measures against static discharges.

In accordance with Regulation (EC) N° 1272/2008:

H phrases: H203: Explosive; fire, blast or projection hazard.

P phrases: P210: Keep away from heat, sparks, open flames, hot surfaces. — No smoking

P230: Not applicable

P240: Not applicable

P250: Do not subject to shock or friction.

P280: Wear protective gloves and eye protection.

P370+P380: In case of fire evacuate area.

P372: Explosion risk in case of fire.

P373: Do not fight fire when fire reaches explosives.

P401: Store according to local regulation.

P501: Dispose of contents/container according to local regulation.

Hazard pictograms:



3 Identification of the mixture inside the pyrotechnic article

3.1 **Substances:** Not applicable

3.2 **Mixtures:** Pyrotechnic composition including: Clay, Titanium (Ti), Potassium Nitrate (KNO₃), Carbon (C), Charcoal (C), Sulphur (S).

Chemical name: N/A
Index number: N/A
CAS number: N/A
EC number: N/A
Register number: N/A

4 First aid measures

4.1 *Description of first aid measures*

Because of the composition and typology of the substances present in the product, no special advice is needed.

Following Inhalation: Fume inhalation is only likely after the product has been used or in case of accident. Move injured person into fresh air, keep warm and at rest, if breathing is irregular or stops, provide artificial respiration. No administration through mouth. If the person is unconscious place in recovery position and seek medical assistance.

Following Eye contact: Eye irritation may occur if exposed to fumes produced after the product has been used or in case of accident. Remove contact lenses if worn. Flush thoroughly with clean fresh water while holding eyelids open for, at least, 10 minutes, seek medical assistance.

Following Skin contact: It will only be applicable in case of shell accidental breakage. Remove contaminated clothing. Wash exposed skin vigorously with soap and water or an adequate skin cleanser. Do NOT use solvents or thinners.

Following Ingestion: Not applicable due to the characteristics of the product.

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

No acute and delayed effects will ensue from the exposure to the product under normal use.

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

In all cases of doubt, or when symptoms persist, seek medical attention. No administration through mouth in case of unconsciousness.

5 Firefighting measures

5.1 *Extinguishing media*

Recommended extinguishing media: If fire reaches the stocked product an explosion will take place. ABC all purpose fire extinguisher.

5.2 *Special hazards arising from the substance*

Special hazards: If fire reaches the stocked product an explosion will take place.

5.3 Advice for firefighters

If fire is near or reaches the product, keep the safety distance, isolate the area and inform the authorities immediately.

Protective equipment for firefighting:

Depending on the fire size the following will be needed: heat protective clothing, self-contained breathing apparatus, gloves, safety glasses or face protection and boots.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Exposure control and personal protection measures, see section 8.
Avoid contact with all source of heat. No smoke. Avoid shock and frictions.

6.2 Environmental precautions

Not applicable

6.3 Methods and material for containment and cleaning up:

Isolate the area and collect the products manually.
Place the products in cardboard boxes, seal them with adhesive tape and identify. Useless waste has to be collected manually and kept likewise in sealed boxes, away from sources of ignition. Follow the Safety Recommendations attached to the paper. Avoid brooms made of synthetic fibres.

6.4 Reference to other sections:

Exposure control and personal protection measures, see section 8.
Waste disposal, follow recommendations from section 13.

7 Handling and storage

7.1 Precautions for safe handling:

Avoid shocks and abrupt movements.
Do not open packaging or handle the fireworks in transport areas.
Handling and utilization of the product must be carried out following the instructions indicated on the packaging by the manufacturer.

7.2 Conditions for safe storage-including any incompatibilities: regulation.

Keep stored in dry and ventilated area, inside tightly closed container.
The maximum quantity of pyrotechnic articles that can be kept is set out in the current regulation.

It is prohibited enter the storage facilities carrying any source of ignition. Handling and storage of the pyrotechnic articles must be undertaken with compliance to the specifications set out in the current applicable legislation.
The outer packaging must be an approved combined packaging suitable for the transportation of dangerous goods.
Interior fittings: Paper sheets, plastic bags or cardboard packaging.
Specific end use referred in section 1 together with the described precautions.

7.3 Specific end uses

Recreational pyrotechnics.

8 Exposure controls/ Personal protection

8.1 Control parameters:

Does not apply.

8.2 Exposure controls:

Technical measures: Do not smoke when handling or in the proximity of the product.

Respiratory protection: Does not apply.

Hand protection: If the product is handled correctly no personal protection is needed.

Skin protection: Work clothing made from natural fabrics, preferably cotton.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Solid
Odour:	Odourless
Odour threshold:	N/A
pH:	N/A
Melting point:	N/A
Initial boiling point and boiling range:	N/A
Flash point:	N/A
Evaporation rate:	N/A
Flammability (solid, gas):	High
Lower explosive limits:	N/A
Upper explosive limits:	N/A
Vapour pressure:	N/A
Vapour density:	N/A
Relative density:	N/A
Solubility:	N/A
Lipophilicity:	N/A
Water solubility:	N/A
Partition coefficient: (n-octanol/water)	N/A
Auto-ignition temperature:	N/A
Decomposition temperature:	N/A
Viscosity:	N/A
Explosive properties:	Explosive
Oxidising properties:	Oxidizing
9.2 Other information	Does not apply.

10 Stability and reactivity

- 10.1 *Reactivity:* Stable under normal conditions of use and storage.
- 10.2 *Chemical stability:* Stable under the recommended handling and storage conditions (see section 7).
- 10.3 *Possibility of hazardous reactions:* Possibility of hazardous reactions.
- 10.4 *Conditions to avoid:* Avoid contact with all sources of heat or ignition.
- 10.5 *Incompatible materials:* Does not apply.
- 10.6 *Hazardous decomposition-products:* In the event of fire hazardous decomposition products may be originated, such as carbon monoxide and dioxide, fumes and nitrogen oxides, sulphur dioxide, etc.

11 Toxicological information

- 11.1 *Information on toxicological effects:* Does not apply.

12 Ecological information

- 12.1 *Toxicity:* There is not information available regarding the Ecotoxicity of the substances present in the product.
- 12.2 *Persistence and degradability:* There is not information available on the persistence and degradability of the product.
- 12.3 *Bioaccumulative potential:* Information regarding the bioaccumulative potential of the substances present in the product is not available.
- 12.4 *Mobility in soil* : Information on the mobility in soil is not available.
Release to the sewage system and water courses must be avoided.
Avoid soil penetration.
- 12.5 *Results of PBT and vPvB assessment:* There is no information available on the PBT and vPvB assessment of the product.
- 12.6 *Other adverse effects:* There is not available information on other adverse effects for the environment.

13 Disposal considerations

- 13.1 *Waste treatment methods:* Treatment for neutralising or deactivating product residues and waste according to local regulation shall be applied.
Clean and empty packages can be used, recycled or eliminated with compliance to the local regulations.
Empty but contaminated packaging waste must be destroyed with equal treatment method that the product waste itself.

14 Transport information

Transportation by road must be carried out pursuant to ADR standards; transportation by rail must follow RID regulations; transportation by sea must be carried out in compliance with the IMDG code; and transportation by aircraft must comply with ICAO/IATA regulations.

By Road: Road transport: ADR, Rail transport: RID Transport document: CMR and written instructions.

By Sea: Vessel: IMDG. Transport document: Bill of Lading.

By Aircraft: Aircraft: IATA/ICAO. Transport document: Air Waybill.

- 14.1 *UN number:* UN N°: UN 0432

- 14.2 UN proper shipping name: *Description: UN 0432 ARTICLES, PYROTECHNIC for technical purposes, 1.4S*
- 14.3 Transport hazard class(es): *Class(s): 1.4S*
- 14.4 Packing group: *Packing group II*
- 14.5 Environmental hazards: *Marine pollutant: No*
- 14.6 Special precautions for user *Labels: 1*
Hazard code:
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:



15 Regulatory information

- 15.1 Safety, health and Environmental regulations/legislation specific for the substance or mixture: *The product is not concerned by the Regulation (EC) N° 2037/2000 of the European Parliament and of the Council, of 29 June 2000, on substances that deplete the ozone layer.*
- 15.2 Chemical Safety: Assessment *A chemical safety assessment has not been carried out.*

16 Other information

It is recommended to utilize the product only for the uses referred.

It is advised to undergo basic training regarding health and safety at work, with compliance to the applicable regulation, in order to perform a correct utilization of this product.

Responsibilities:

The data contained in this Safety Data Sheet are based on our current knowledge and experience and take into account the existing safety requirements to describe the product. In no event do the data describe the properties of the product (specifications of the product). A guarantee of certain properties or suitability of the product for an specific application cannot be inferred from the information contained in this Safety Data Sheet. No liability is accepted for injuries or damages arising from use thereof. The responsibility to ensure the observance of property rights and the current laws and regulations lies with those receiving our products.