

SAFETY DATA SHEET

Pyrotechnic articles for technical purposes class 1.4G – UN 0431

SDS Nr.: EN-PP-010

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1. Product identifier / Company

1.1. Product identifier: Pyrotechnical product cat. P1 – Flash device, class 1.4G – UN 0431

Bird Banger, Bird Banger EXP

CAS Nr.: -

EC Nr.: -

Index Nr. -

1.2. Recommended use and restriction on use

Recommended use: Explosive product

restriction on use: Contact manufacturer/supplier.

1.3. Details of the supplier of the Safety Data Sheet

Manufacturer/ Supplier:

PRIVATEX - PYRO s.r.o.

Lieskovec 1433/29

018 41 Dubnica nad Váhom Slovakia

Identifikačné číslo (IČO): 31 565 433

Tel.: +421 908 754 653

E-mail contact for the person responsible for SDS: privatexpyro@privatexpyro.sk

1.4. Emergency telephone number: NTIC Bratislava, **+421 254774166, +421 911 166 066**

2. Hazard(s) identification

2.1. Classification of the substance or mixture: 1.4; H204

Hazard class and category EC Directive 1272/2008 (CLP)

Risk of fire or particle impact.

The pyrotechnic article is certified in the category according to Directive 2013/29 / EU (according to NV SR No. 70/2015 Coll., Regulation of the Government of the Slovak Republic on making pyrotechnic products available on the market).

The most serious adverse effects on human health when using the object is the possibility of burns if the instructions for use are not followed, or injury when the effect case is replaced. THE SUBJECT IS UNUSIVE!

The most serious adverse effects on the environment: the content of harmful substances is negligible.

For the full text of the H-Statements and Hazard Statements, see Section 16. 2

2.2. Label elements

Labeling directive EU 1272/2008 (CLP)

Explosives placed on the market to obtain an explosive or pyrotechnic effect shall be labeled and packaged in accordance with the requirements for explosives only (derogations from the labeling requirements in specific cases - Article 23, Regulation (EC) No 1272/2008).

Hazard pictograms: GHS01



Signal Word: Warning

Hazard Statement H204: Fire or projection hazard.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P250: Do not subject to grinding/shock/friction.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P370+P380: In case of fire: Evacuate area.

P372: Explosion risk.

P373: DO NOT fight fire when fire reaches explosives.

P401: Store in accordance with national laws.

P501: Dispose of contents/container in accordance with national laws

2.3. Other hazards

Substances in the article do not meet the criteria for classification as PBT or vPvB.

Possible misuse and restriction: the instructions state the correct use of the product.

3. Composition/information on ingredients

Chemical characterization: Mixtures

The product is a pyrotechnic article. The subject contains technologically processed light and sound pyrotechnic compositions. The complete composition of individual subjects is given in the technical documentation, which is part of the certificate.

The products are made of shaped paper which is filled with a pyrotechnic composition. This component contains an oxidizing agent (KNO₃, KCLO₃, KCLO₄), combustibles (charcoal, resins, metals), flame dyes (K, Na, Ca, Ba, Sr, etc.) and binders (usually starch glue, gum, acacia) , etc ..).

The objects are made of shaped paper which is filled with a pyrotechnic composition.

It does not contain any other components or impurities that affect the classification of the product.

4. First - Aid measures

4.1. Description of first aid measures

Information is only applicable to product contents, and not to product as normally supplied. This information applies to damaged, leaking, or spilled products as contact with contents is possible under these conditions.

After inhalation: Supply fresh air; consult a doctor in case of complaints.

After skin contact: Wash with soap and water. If skin irritation or rash occurs: Get medical advice/attention.

After eye contact: Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: Unlikely route of exposure. Do not induce vomiting; immediately call for medical help.

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

Blast injury if mishandled.

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

The product may produce physical injury if mishandled.

Treatment of these injuries should be based on the blast and compression effect

5. Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing agents: DO NOT fight fire when fire reaches explosives.

Flood area with water. If no water is available, carbon dioxide, dry chemicals, or soil may be used. If the fire reaches the cargo, withdraw and let the fire burn.

For safety reasons unsuitable extinguishing agents: None

5.2. Special hazards arising from the substance or mixture

During heating or in case of fire poisonous gases are produced.

The product may explode if burned in a confined space. Individual cartridges may explode. A mass explosion of many cartridges at once is unlikely.

5.3. Advice for firefighters

Wear a self-contained respiratory protective device. Wear a fully protective suit.

Special methods: Prevent used extinguishing media from entering drains and watercourses.

(EN 469) and (EN 659): Protective clothing, protective footwear, protective gloves

(EN 443): helmet

standard **EN 137:** Self-contained open-circuit compressed air breathing apparatus with full face mask.

6. Accidental release measures

6.1. Personal precautions, protective equipment, and emergency procedures

Wear protective equipment. Keep unprotected persons away. Remove persons from the danger area.

Ensure adequate ventilation. Protect from heat. Isolate the area and prevent access.

6.2. Environmental precautions: Do not allow undiluted products or large quantities of them to reach groundwater, water course, or sewage system.

6.3. Methods and material for containment and cleaning up

Pick up mechanically.

Send for recovery or disposal in suitable receptacles.

6.4. Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

7. Handling and storage

Pyrotechnic articles must be stored under the conditions specified by the manufacturer, in their original packaging. They may not be stored in areas where activities with an increased risk of fire are carried out or in places with an increased risk of fire, in places where flammable liquids, paints, flammable and combustion-promoting gases, liquefied hydrocarbon gases are handled, and in areas where solid flammable substances are handled.

7.1. Precautions for safe handling:

Smoking and handling open flames and trial ignition is prohibited. Pyrotechnic articles must not be used in enclosed spaces, rooms, near hospitals, churches, social services facilities (retirement homes, day hospitals for handicapped children,

etc.), near highly flammable substances and in areas where the legislation or their use is prohibited or limited in time by a generally binding regulation.

Prevention of leakage into the environment: prevent dust from escaping from containers and creating dust. Collect damaged packaging mechanically and dispose of if there is no risk. In case of leakage, proceed according to section 6.

7.2. Conditions for safe storage, including any incompatibilities:

Pyrotechnic articles must be stored in the original packaging of the manufacturer or importer.

Pyrotechnic articles must be stored in a dry place so that their temperature cannot exceed 40 ° C.

Avoid storage near extreme heat, ignition sources, or open flame.

Store away from foodstuffs.

Store away from flammable substances.

An additive procedure is used to determine the maximum quantity of pyrotechnic articles stored with different classification codes.

Pyrotechnic articles in larger quantities than those mentioned above and pyrotechnic articles of categories F4, P2, T2 must be stored in warehouses authorized for that purpose.

7.3. Specific end use(s) Use the pyrotechnic article in accordance with the instructions on the packaging label (instructions for use). Any other manipulation is forbidden.

8. Exposure controls / personal protection

8.1. Control parameters – Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.2. Exposure control – General protective and hygiene measures

The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work.

8.2.1. Engineering: Provide adequate ventilation

8.2.2. Personal protective equipment:

Eye protection: Safety glasses. Follow EN166 and relevant national guidelines concerning the use of protective eyewear.

Protection of hands: Wear gloves for protection against mechanical hazards according to EN / ISO rules.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. (EN 374-1)

Body protection: Protective work clothing.

Breathing protection: Not required under normal conditions of use.

Risk management measures: Organizational measures should be in place for all activities involving this product.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form: Outer shell containing powder, granular, or solid materials.

Color: - According to product specification

Odor: Odorless

Odor threshold: Not determined.

pH - Value: Not applicable.

Melting point: [°C]: Not determined.
Boiling point: [°C]: Not determined.
Flash point: Not applicable.
Flammability (solid, gaseous): Fire or projection hazard
Auto-ignition temperature: Not determined.
Decomposition temperature: Not determined.
The danger of explosion: Heating may cause an explosion.
Explosions limits:
Lower: Not determined.
Upper: Not determined.
Oxidizing properties: Not determined.
Vapor pressure: Not applicable.
Density:
Relative density: Not determined.
Vapor density: Not applicable.
Evaporation rate: Not applicable.
Solubility in / miscibility with Water: Insoluble
Partition coefficient (n – octanol / water): Not determined.
Viscosity
Dynamic: Not applicable.
Kinematic: Not applicable.

9.2. Other information: No relevant information is available.

10. Stability and reactivity

- 10.1. Reactivity:** No relevant information is available.
- 10.2. Chemical stability:** Stable under normal conditions of storage and handling.
- 10.3. Possibility of hazardous reactions:**
- Fire or projection hazard.
 - Toxic fumes may be released if heated above the decomposition point
 - Reacts with strong acids and alkali.
- 10.4. Conditions to avoid**
- Excessive heat.
 - Sources of ignition, open flame, incompatible materials.
- 10.5. Incompatible materials:** Oxidizers, strong bases, strong acids
- 10.6. Hazardous decomposition products:**
- Carbon monoxide and carbon dioxide
 - Nitrogen oxides
 - Sulfur oxides (SOx)
 - Toxic metal oxide smoke
 - Phosphorus oxides (e.g. P2O5)

11. Toxicological information

11.1. Information on toxicological effects

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

LD/LC50 values that are relevant for classification: none

Primary irritant effect:

On the skin: Not a skin irritant in unused form. Vapors/particles from used products are possibly irritating to the skin.

On the eye: Not an eye irritant in unused form. Vapors/particles from used products are possibly irritating to the eyes.

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

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

Germ cell Mutagenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: 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.

12 Ecological information

12.1. Toxicity:

Aquatic toxicity: no relevant information available.

12.2. Persistence and degradability: no relevant information available.

12.3. Bioaccumulate potential: may be accumulated in organic

12.4. Mobility in soil: no relevant information available.

12.5. Other adverse effects: no relevant information available.

13. Disposal considerations

13.1. Waste treatment methods

Recommendations: The user of this material has the responsibility to dispose of unused material, residues, and containers in compliance with all relevant local, state, and federal laws and regulations regarding the treatment, storage, and disposal of hazardous and non-hazardous wastes. It must not be disposed of with municipal waste.

List of hazardous waste:

160402 Waste from fireworks (contents).

150101 Packaging containing residues of or contaminated by dangerous substances.

15020 Absorbents, filter materials (including oil filters not otherwise specified), woven cleaning cloths, and rags contaminated with dangerous substances.

13.2. Additional information:

Recommended method of disposal for legal entities and natural persons engaged in business: Disposal of a large number of

products are carried out by the holder of the fireworks launcher license instead.

It destroys waste by leaching in water in small quantities and it is further treated as ordinary municipal waste.

Recommended disposal method for consumers: Dispose of unused products or empty packaging with product residues at a hazardous waste collection point!

14. Transport information

UN Number: UN 0431

Risk identification number: 268

UN proper shipping name: Articles, pyrotechnic for technical purposes

Transport hazard class(es): 1.4G

Packing group: Not assigned

Tunnel Restriction: E: Passage prohibited through tunnels of category E

Environmental hazards: No

Marine pollutant: No

Special precautions for users: transport category 2.

Additional information: road transport (ADR) - class code: 1.4G

- security mark: 1
- Tunnel restrictions: E



15. Regulatory information

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

Restrictions according to Annex XVII of REACH: point 3.

Substances subject to authorization under Annex XIV of REACH: none

National legislation: Ensure compliance with all national/local regulations.

15.2. Chemical safety assessment: Not performed

16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Other information: This safety data sheet has been compiled in accordance with the applicable European directives and applies to all countries that have transposed these directives into national law.

DISCLAIMER: Before using this product in any new process or experiment, a thorough study of its compatibility with materials and safety must be performed.

The details given in this document were considered correct at the time of going to press.

Although this document has been prepared with the utmost care, it is not liable for injuries or damage caused by its use.

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