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EN Safety Instructions and Warnings: C02-Powered Sound Grenades

1. Proper Use

- Sound grenades are designed to simulate explosions with a loud sound effect.
- **Intended exclusively for airsoft, historical reenactments, and training in controlled environments (private property, closed events). Do not use in public spaces.**
- Made of durable polymer body and metal elements (valve), with replaceable shells offering various visual effects.
- Operate by mechanically releasing compressed CO2 gas, which ruptures the casing and generates a loud bang. Sound effect with intensity up to 130 dB is created without the use of pyrotechnic materials.
- **Always follow the product manual instructions provided by the manufacturer.**

2. Impact of Features and Functions on Safety

- **Appearance:** The product looks like a real grenade - which creates a high risk of confusion with a real grenade by bystanders or law enforcement.
- **Safety zone and risk level:**
 - **Minimum safe distance - 1 meter - zone of direct danger from fragments and high noise level. Warning! Do not activate the product if you cannot control maintaining the minimum safe distance from people.**
 - **Elevated risk zone:** 1-5 meters - possible individual fragments, noise level 105-115 dB.
 - **Limited risk zone:** 5-10 meters - noise level 90-105 dB.
 - In enclosed spaces, the danger zone may be larger due to sound reflections and fragments.
- **High noise level:**

- **Shell rupture generates a sound impulse with intensity up to 130 dB (A, imp) - exceeds the limit value of 115 dB specified in the standard, which may cause hearing discomfort or damage with direct exposure.**
- **Do not use near people without appropriate hearing and eye protection.**
- **CO2 power:**
 - CO2 expansion causes temperature drop of metal elements below 0°C, creating a risk of frostbite when in contact with skin.
 - Extreme temperatures can affect CO2 pressure and thus the operation of grenades.
 - A leaky or damaged valve may cause sudden release of CO2 and injuries to hands or face.
- **Delayed pin mechanism:** The delay system (3-5 seconds from activation) provides time to safely move away.
- **Breakable shell (selected models):** After activation, the shell breaks under pressure, generating about 8-12 fragments weighing less than 5g each, which can be ejected up to 5 meters. The energy of ejected fragments is low due to the lack of energy from explosive material. Fragments do not pose thermal or fire hazards.
- **Small parts:** Pins, shell fragments and other small parts pose a choking hazard.

3. Impact of Other Products on the Product

- **Use only CO2 capsules with a standard capacity of 12g.**
- Inappropriate capsules may cause:
 - Insufficient pressure (no detonation effect).
 - Too high pressure (premature rupture, increased risk of injury).
 - Leaks and CO2 escape (no effect or reduced effectiveness).

4. Storage Guidelines

- Store at room temperature (15-25°C), away from heat sources.
- Do not expose to temperatures above 50°C or direct sunlight.
- Do not leave CO2 capsule in the device during long-term storage.
- Store in a place inaccessible to children.

5. Usage Limitations

- **Not suitable for children under 14 years of age:** This product is not a toy.
- **This product is intended exclusively for adults (18+).**
- **Not suitable for elderly people:** There is a risk of improper use of the product in public spaces, which may trigger alarms and unnecessary intervention by services.
- **Not suitable for people with intellectual disabilities:** There is a risk of improper use of the product in public spaces, which may trigger alarms and unnecessary intervention by services.

For safety reasons, the product requires full ability to assess the situation and understand the proper context of use.

- **Never use the grenade near people without appropriate eye and hearing protection.** Before starting a game using a grenade, make sure that all participants have appropriate protection:
 - Protective eyewear compliant with EN 166 category F or higher.
 - Active hearing protectors providing minimum 20 dB noise reduction.
- Product exclusively for use in controlled environments (private property, closed events).
Do not use in public spaces - risk of confusion with a real grenade and triggering an alarm/reaction from law enforcement.
- Do not use in an enclosed spaces.
- Do not use near flammable or explosive materials.
- Do not puncture or heat capsules above 50°C.
- Do not pierce or burn, even after use.
- Do not inhale released gas - may cause dizziness or loss of consciousness.
- Use only in well-ventilated areas.
- Gas is not intended for human consumption or food applications.

6. Transport

- Air transport: CO2 capsules and grenades are prohibited in both carry-on and checked baggage.
- Road transport: The product may be subject to ADR regulations; check local regulations.
- During transport, do not install CO2 capsules in grenade shells, always transport with the pin in the safe position.

7. Damage and Disposal

- Do not attempt to pick up, deactivate, or manipulate the grenade after pulling the pin, even if it did not work.
- Do not use a grenade with mechanical damage or leaky CO2 valve.
- Do not use capsules with visible damage, corrosion, or gas leakage.
- Dispose according to local regulations.

8. Additional Information According to EN 16263 Standard

The product is **NOT** a pyrotechnic article. To ensure the highest level of safety when using the product, we voluntarily provide additional information specified by EN 16263 standard for category P1:

- **Minimum safe distance: 1 meter.**
- **Noise level:** Bang with intensity up to 130 dB (A, imp) at direct distance during rupture. Noise level does not exceed 115 dB measured at the safe shooting distance of 1 meter.
- **Active material:** CO2 capsule 12g (no pyrotechnic materials).

- **NEC (Net Explosive Content):** 0g - product contains no explosive materials.
- **Delay time:** 3-5 seconds from activation (pulling the pin).
- **Safety system:**
 - Safe position: Pin inserted, mechanism locked.
 - Armed position: Pin pulled, countdown initiated.
 - Fragments: 8-12 plastic shell elements weighing less than 5g each, ejection range up to 5 meters.
- Operating temperature: -10°C to +40°C.
- **Age restriction:** The product is intended only for people over 18 years of age.
- **Warning! Do not activate the product if you cannot control maintaining the minimum safe distance from people.**