

GENERAL SAFETY RULES FOR STAGE PYROTECHNICS

General applicable security rules for the pyrotechnic items, used for theater and show performances and in public meeting places. (Theater pyrotechnics and so-called, proximate pyrotechnics):

Caution!

All fireworks contain explosive material! Incorrect storage, transportation and application can lead to fire, explosion and serious, possibly fatal injuries. All applicable rules and laws are to be paid attention!

In any doubt regarding to the effect, the safety and technically correct application or the regulations **do not use the items at all, seek instead advice of an expert.**

- Store items only in the original packing at a dry, cool place, protected from sparks and fire and inaccessible for the unauthorized. **Inadmissibly is the handing over to or the use by persons under 18 years!**
 - **Transport items only according to the regulations**, within the premises in stable cardboard boxes or in wooden boxes with lift-up lid.
 - Absolutely test **unknown or new** items / effects first **at a safe place** without presence of persons, e.g., outside in appropriate distance by means of a long ignition cable **repeatedly for equability**.
 - Before using pyrotechnics **examine decorations and equipments** on stages for flameproof treating, in doubt impregnate them again or remove the objects, or increase safety distances, renounce poss. even the firing of the item! **Caution:** costumes, wigs / masks and props are not flameproof as a rule, if required treat them flameproof!
 - Use pyrotechnic items only according to the **operating instruction** for the intended purposes. Do not fire them in dangerous proximity of persons or easily inflammable objects; **keep at least given safety distances**. Consider possibly unexpected behavior of the audience and outdoors wind directions / gusts of wind.
 - Pyrotechnic items **can deviate** by inappropriate storage, transportation or manufacturing failures in its effect **from each other**. This has to be considered by using them near to persons or easy inflammable objects, if necessary raise safety distances or use special safety shields.
 - Pay attention to **specific rules** applicable for **public meeting places**. Before use of any pyrotechnic obtain approval of the organizer and the responsible authority. Inform in time all attending persons / performers as well as the responsible for security and fire protection about all intended effects, the moment of the ignition and which safety precautions and distances have been applied. **Determine protection distances** together with the safety administrator.
 - **Block off firing area** during preparations and use **for unauthorized, pronounce a smoking ban**. Hold ready suitable fire-extinguishing agents (water quencher, fire-fighting blanket etc)!
 - Fix items **safe** by means of heatproof materials (mechanical discharge devices, flameproof clay, wire etc.) **on a flame resistant underlay** so, that the effect of the item (s. operating instruction) takes place only in the intended direction. Fix ignition wires and discharge devices if necessary with flame resistant adhesive tape **to prevent toppling and turnarounds**.
 - **Do not fire any damaged, covered or confined** items. (Any confinement, e.g., in tubes, can lead to a increased hazard)
 - Connect electrically ignitable items **only to powerless ignition cables / -devices**, these must be certainly set powerless respectively the power source must be disconnected (remove ignition keys, batteries or ignition wires).
 - For ignition use only **ignition devices** or **direct current sources** up to max. 110 V DC. (As safe DC low voltage up to 120 V DC is guaranteed only by use of batteries or an ignition device with a safety transformer!)
 - **For testing the ignition circle** use only test instruments **with a test current not more than 25 mA** (s. operating instruction of instrument).
 - **Fire pyrotechnic effects only** if the necessary safety precautions are kept and the responsible **person has direct view to the firing place**. **Caution:** Participants and spectators can behave unpredictable!
- Search** the firing place after firing for **failures or burning or smoldering remains**, extinguish and remove them. Allow to cool down burnt or incorrect functioned items at a safe place and afterwards hand them over to your trader or manufacturer or to a disposal office.

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