

# PRODUCT SAFETY DATA SHEET

The following information has been prepared in accordance with the Health and Safety at Work Act and the Control of Substances Hazardous to Health regulations in the UK and in accordance with English law. Users should always consult the current legislation of the country concerned prior to any intended use.

**Product:** Microdets  
**Device NEQ:** Plastic = 0.5g, Non Fragmental = 4g  
**HSE Reference:** XI/5111/958  
**Proper Shipping Name:** ARTICLES PYROTECHNIC for technical purposes.

## Description of Effect Produced

(Distances shown are approximate and for guidance only, they are **not** safety distances)

**Effect Produced:** A bang, and a small amount of smoke  
**Duration:** Instant  
**Height:** N/A  
**Width:** N/A  
**Noise level (max)/dB(A):** Plastic = 110; Non Fragmental = 105, measured at 5m indoors  
**Hot Fallout:** None  
**Angle of Firing:** N/A  
**Additional Notes:** Plastic microdets will produce flying plastic debris.

## Warning

Inhalation of smoke produced from the effect should be avoided. Excessive smoke inhalation may cause respiratory irritation, difficulty in breathing, headaches, nausea and may result in vomiting. In normal use with adequate ventilation the smoke produced should not be a problem. However any person found to be suffering from smoke inhalation should be removed to fresh air and medical assistance sought.

## In the Event of a Mis-Fire

If the device fails to fire, isolate the effect from the firing system. Check that the circuit has been connected correctly and repeat the firing sequence. If unsuccessful disconnect the firing circuit, remove the device from its firing position and return to its original packaging to await disposal.

## Disposal Instructions

Submerge **cardboard microdets** in a large bucket of to allow the water to enter the device. Leave soaking outside in a secure area for a minimum of 48 hours then dispose of in accordance with local regulations. **Plastic microdets** should be returned to Le Maitre in the original packaging for disposal.

## Spillage

Wear gloves and a dust mask to avoid skin contact and inhalation of dust. Sweep up any loose powder and packaging and dispose of by soaking in a large bucket of water outside in a secure area for a minimum of 48 hours then dispose of in accordance with local regulations.

## First Aid for contact with the Pyrotechnic Compositions

In case of contact with skin wash area immediately with copious amounts of water, if inhaled remove to fresh air and if swallowed give water to drink provided person is conscious.

## Storage Conditions

Store in a cool dry place, humidity should preferably be less than 70%. Avoid extreme temperatures. In particular sub-zero temperatures where freezing and re-thaw can alter the performance of the article. A Local Authority permit may be required for storage in bulk. The local Trading Standards Department should be consulted for further details.

- **DO NOT ALLOW** any person under **18** years of age to handle or use these pyrotechnics.
- **DO NOT ALLOW** open flames or sparking equipment near these devices at any time.
- **DO NOT SMOKE** or allow smoking at any time when handling or near these pyrotechnic devices.
- **DO NOT ATTEMPT** to dismantle or modify these pyrotechnics in any way or use them in any manner other than that for which they have been designed.
- **IT IS ESSENTIAL** that a risk assessment be carried out prior to the use of these pyrotechnic effects, taking into consideration the surrounding environment and the location of the audience, crew and performers with respect to the effect produced by these devices at the time of firing.
- **ALWAYS USE** the manufacturers holders with these pyrotechnics. The manufacturer will entertain no liability of any sort where their pyrotechnics are used without the correct device holder.
- **DO NOT** ignite these devices while holding them in the hand or inserted into any bodily orifice.
- **MAKE SURE** all electrical circuits are isolated **BEFORE** connecting pyrotechnics devices to the firing system.
- **ENSURE all** personnel are clear of all pyrotechnic effects **BEFORE** applying a test circuit.
- **ALWAYS ENSURE** that all pyrotechnic devices can be observed from the firing position at the point of firing to make certain that nothing has changed with regard to the location and environment of the devices, which may cause harm or damage when fired e.g. persons too close, scenery moved etc. In such an instance **DO NOT FIRE**.
- **PLEASE NOTE:** It is recommended that tests be carried out in the desired location in a safe environment clear of personnel, to ensure that the effect produced is that required. If the operator is unsure as to the nature of the effect produced by these devices then we recommend that the device be tested out of doors from a distance of 25 metres, employing all relevant safety equipment including ear defenders and safety glasses.
- **IF IN DOUBT** about the effects produced by these products or their proper use, further information can be sought from Le Maitre Ltd on +44 (0)208 646 2222 (UK) or Le Maitre Special Effects Inc. on 1-866-534-4448 (N. America) during office hours. Further Information can also be found from the following places:-

**United Kingdom:** - 1875 Explosives Act and all orders of council, HSG 36, Local Authorities and the Health and Safety Executive.

**North America:** - NFPA 1126, ATF, and DOT.

**Product Manufactured by: Le Maitre Ltd, Fourth Drove, Peterborough, England**