

PRODUCT SAFETY DATA SHEET

SDS042

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 UK law. Users should always consult the current legislation of the country concerned prior to any intended use.

Product: E-Max Igniters
Device NEQ: 0.03g
HSE Reference: XI/5015/9/27 (1.4S)
UN Hazard Code: 0454
Proper Shipping Name: IGNITERS

Description of Effect Produced

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

Purpose: Used as an initiator for pyrotechnic products & fireworks
Duration: Instant
Resistance: 0.9± 0.15 ohm
Max Non-Fire Current: 0.30 A
Min. Firing Current: 0.50 A
All Fire Current: 1.35A
Max. Test Current: 10.0 mA
Additional Notes: Igniter produces a small amount of sparks and slight noise

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 again, remove the device from its firing position and return to its original packaging to await disposal.

Disposal Instructions

Using a firing system, connect the igniter to a length of wire (min. 5m) and fire in a safe environment.

Spillage

Not applicable.

First Aid for contact with the Pyrotechnic Compositions

Not applicable

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.
- **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 5 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 +44 208 646 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