



Material 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. Users should always consult the current legislation prior to any intended use.

Product:	Silver Star; Small, Medium and Large	IMDG Packing:	P135
U.N. Hazard Division:	1.4	IMDG EmS CODE:	1-04
Compatibility Group:	S	IMDG Stowage Cat.	05
UN Serial No.:	0432	IATA:	135
P.S.N:	ARTICLES PYROTECHNIC for technical purposes.	ADR:	EP35

This device has been approved by the Health and Safety Executive. Certificate Serial No.72-Z-00397, Schedule 1.

DESCRIPTION of PRODUCT and EFFECT

A squat black plastic cylindrical cartridge (Ø 52 x 22mm) with a paper cap at the top and two metal contact pins protruding from the base. The device contains a flash powder with silver stars.

On ignition these devices produce a bright flash and silver stars and noise. The stars are projected in all directions to a distance of approximately 2.5 metres. White smoke and a small report are also associated with these devices. The flash produces radiant heat and the stars remain hot for a few seconds producing a small amount of hot fallout, therefore adequate consideration should be given with regards to positioning of these types of devices.

USER INSTRUCTIONS

INTENDED FOR PROFESSIONAL USE ONLY BY PERSONS OVER 18 YEARS OF AGE.

This effect must only be used in conjunction with a Le Maitre Pyroflash firing system and holders. No liability of any sort will be entertained by Le Maitre where their pyrotechnics are used with an unapproved firing system. The instructions for the Le Maitre firing system must be observed at all times.

It is essential that a risk assessment be carried out prior to the use of any pyrotechnic effect, taking into consideration the location of the members of the audience, crew and performers with respect to the effect produced by the device when in the firing location.

ENSURE that all pyrotechnic devices can be observed before and during firing in order that nothing has changed with regards to the location i.e. personnel too close, scenery moved etc. DO NOT FIRE if any personnel become too close to the device.

It is recommended that tests be carried out without any personnel present in a totally safe environment, to ensure that the effect produced is that required. Where decibel levels are indicated it is advised that readings can change according to environmental conditions and it is essential that operators bear this in mind when using these devices. If the operator is unsure as to the nature of the effect produced by a device then we recommend that the device be tested out of doors first, employing all relevant safety equipment including ear defenders and safety glasses.

DO NOT SMOKE at any time when dealing with pyrotechnic devices.



IN THE EVENT OF A MIS-FIRE / DISPOSAL INSTRUCTIONS: 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: Submerge in a large bucket of water and gently pierce the paper membrane 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.

FORMULATION AND PHYSICAL APPEARANCE OF EXPLOSIVE: (refers to un-fired device)

This device contains: A free flowing grey powder comprising potassium perchlorate, graphite, magnesium powder and aluminium powders.

EXPOSURE LIMITS: (refers to composition before firing)

8-hour TWA total inhalable dust 10mg / cubic metre

8-hour TWA total respirable dust 4mg / cubic metre

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.

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.

EMERGENCY PROCEEDURES

SPILLAGE: Sweep up any loose powder and packaging and dispose of by following the disposal instructions. Avoid skin contact. In case of contact with skin wash hands immediately.

FIRE: Cool Pyrotechnic devices and / or packages with water and remove them if possible.

NOTE:

1. The information given in this sheet is for the guidance of Le Maitre Customers and should be checked against current standards and limits published by the H.S.E.
2. The Information given here is true and reliable to the best of our knowledge.
3. The company cannot be responsible for any loss or damage through any miss-use of the product.
4. Smoke, however little may cause problems for asthma sufferers.

EMERGENCY INFORMATION

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