Wells Fireworks Ltd

Professional Products for Professional People

SAFETY DATA SHEET

6m & Low Level Stage Mine

SECTION 1 – PRODUCT DETAILS

1.1 Product identifier:

Product Name:	6m or Low Level Stage Mine.
CE Reg Number:	0589-T1-0370

1.2 Approved Uses:

Articles pyrotechnic used for theatrical purposes within stage, film and television productions, as well as within music or show productions.

1.3 Supplier:

Name:	Wells Fireworks (Dartford) Ltd
Address:	Home Farm Wepham West Sussex BN18 9RA England
Contact number:	+44 (0)20 8646 2222
Email:	info@wellsfireworks.co.uk

1.4 Emergency Contact:

Please Contact;	Health and Safety Executive (HSE) Chemicals Regulation Directorate. +44 (0)151 951 3317 (Only available during office hours)

SECTION 2 –HAZARDS & IDENTIFICATION

2.1 Classification of the substance or mixture

Physical Hazard:	H204 - Fire or projection hazard.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 (CLP)

Hazard pictograms:

(Letter may be an S or G)

Signal word: PYROTECHNIC

2.3 Other hazards

There are no chronic effects from handling the product in an appropriate manner.

SECTION 3 – INFORMATION ON INGREDIENTS

3.1 Substances

Name	***CAS No.***	***EC No.***
Acaroid Resin	93164-80-8	298-861-7
Aluminium powder	7429-90-5	231-072-3
Antimony Sulphide	1345-04-6	215-713-4
Barium Nitrate	10022-31-8	233-020-5
Charcoal	16291-96-6	240-383-3
Copper Oxide	1317-38-0	215-269-1
Strontium Carbonate	1633-05-2	216-643-7
PVC	009002-86-2	-
Magnesium powder	7439-54-4	231-104-6
Aluminium Magnesium alloy	7429-90-5	231-072-3
Sodium Oxalate	62-76-0	200-550-3
Potassium Nitrate	7757-79-1	231-818-8
Potassium Perchlorate	7778-47-7	231-912-9
Strontium Oxalate	814-95-9	212-415-6
Sulphur	7704-34-9	231-722-6
Titanium powder	7440-32-6	231-142-3

List above covers all products within the Wells Fireworks 6m & Low Level Stage Mine range.

SECTION 4 – FIRST AID

4.1 Description of first aid measures:

Generally, in any case of accident or sickness featuring Pyrotechnics, always seek medical advice IMMEDIATELY.

Following the *medical effects* below it is advised *that*:

- *Inhalation* - Remove casualty to fresh air and keep warm and at rest.
- *Skin contact* - Wash immediately with soap and water
- *Eye contact* - Immediately flush with water
- *Ingestion* - If swallowed, rinse the mouth with plenty of water and spit out (only if the person is conscious) and obtain URGENT medical attention.

NOTE; in all cases, Self-protection of the first aider should always be paramount!

4.2 Most important symptoms and effects, both acute and delayed:

Irritation to the eyes and irritation to the skin.

4.3 Indication of any immediate medical attention and special treatment needed:

Obvious contact with hot materials or gas on operation of products.

Apply First aid, decontamination measures and treatment of symptoms.

SECTION 5 – FIREFIGHTING

5.1 Extinguishing media:

Do not attempt to extinguish any actively functioning product or a fire which contains live products with ANY form of extinguishing media. Evacuate area immediately and contact emergency services. Any resulting fires caused after the full functioning of a product may be tackled in the prescribed manner.

Suitable/Unsuitable extinguishing media: See above.

5.2 Special hazards arising:

Hazardous combustion products may be produced when functioning. Pyrotechnic devices can burn violently and the state of any fire may be dependent on composition, packaging and containment. See 5.1 above for special precautions.

5.3 Advice for firefighters:

- Exercise extreme caution.
- Ascertain extent of material involved BEFORE combatting fire.
- If unsure keep to a safe distance.
- It is recommended that all firefighters wear self-contained breathing apparatus and chemical protective clothing.

SECTION 6 – ACCIDENTAL RELEASE MEASURES SECTION

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel:

Suitable personal protective equipment. Remove ignition sources.

6.1.2 For emergency responders:

Remove persons to safety. Isolate hazard area and deny entry. Ventilate closed spaces before entering.

6.2 Environmental precautions:

Prevent large spillages from entering surface water or drains.

6.3 Methods and material for containment and cleaning up:

Dispose of as special waste in compliance with local and national regulations.

6.4 Reference also sections 5, 8 & 13.

SECTION 7 – HANDLING AND STORAGE SECTION

7.1 Precautions for safe handling:

- Handle with caution.
- Prevent fires. No smoking and no naked flames.
- Avoid aerosol and dust generation. Do not tamper with the item.
- Do not eat, drink or smoke in work areas.
- Wash hands after handling products.

7.2 Conditions for safe storage, including any incompatibilities:

- Store in cool, dry place.
- Always store in original packaging with appropriate marking and labelling.
- Stores should be adequately secured and identified.

7.3 Specific end use(s):

The identified use for this product is detailed in section 1.2.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters:

Workplace exposure limits.

8.2 Exposure controls:

8.2.1 Provide adequate ventilation.

8.2.2 PPE: Appropriate Safety goggles.

8.2.3: No specific Environmental exposure controls.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Appearance: Solid tube containing pressed composition.

As this is essentially a sealed unit chemical properties are not applicable.

9.2 Other information:

No additional information relevant to safe use.

SECTION 10 – STABILITY AND REACTIVITY SECTION

10.1 Reactivity:

No specific data related to reactivity is available.

10.2 Chemical stability:

Stable under recommended conditions of storage and use.

10.3 Possibility of hazardous reactions:

No hazardous reaction when handled and stored in accordance with the provisions.

10.4 Conditions to avoid:

- High temperatures,
- Excessive shock or rough handling
- Static discharge,
- Vibrations or other physical stresses
- High localise EMF
- And any situations that might result in a hazardous situation.

10.5 Incompatible materials:

As an effectively sealed unit, incompatible materials are not applicable.

10.6 Hazardous decomposition products:

Decomposition will not occur during normal circumstances of storage, transport and handling.

Upon functioning various gases may be emitted, including oxides, during the planned decomposition of the product.

11 – TOXILOGICAL INFORMATION SECTION

11.1 Information on toxilogical effects:

No material is exposed during normal circumstances of storage, transport and handling.

As this is a sealed unit this only applies to spillages.

May cause eye and skin irritation. Inhalation or ingestion may cause discomfort.

12 – ECOLOGICAL INFORMATION

12.1 Toxicity: Not classified as dangerous for the environment/aquatic toxicant.

12.2 Persistence and degradability: N/A

12.3 Bio-accumulative potential: N/A

12.4 Mobility in soil: N/A

12.5 Results of PBT and vPvB assessment: N/A

12.6 Other adverse effects: N/A

13 – DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

No specific regulations apply to packaging or spent devices.

Unused devices should be either:

- Returned to the manufacturer,
- Functioned in a safe manner or
- Soaked in a vessel of water for 48 hours. (If soaked in water, review local and national requirements prior to disposal).

14 – TRANSPORT INFORMATION

14.1 UN number:

UN0431 or UN0432

14.2 UN proper shipping name:

Articles Pyrotechnic for Technical Purposes.

14.3 Transport hazard class(es):

1.4G (UN0431) or 1.4S (UN0432).

14.4 Packing group:

Packing Group II.

14.5 Environmental hazards:

None.

14.6 Special precautions for user:

No smoking or naked flames.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code:

N/A

15 – REGULATORY INFORMATION*/

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Explosives Regulations 2014 and all orders of council, HSG 36, Local Authorities and the Health and Safety Executive.

Pyrotechnic Articles European Directive 2013/29/EU.

15.2 Chemical Safety Assessment:

N/A

16 – OTHER INFORMATION

All Information for this Safety Data Sheet was obtained from sources which are considered reliable and technically accurate. Every effort has been made to ensure full disclosure of any product hazards, however some data is not available and is so stated.

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