

## PRODUCT USE DATA SHEET

### Generic Sheet for Airburst 0589-T1-0419

A bright flash with optional large ball of projected sparks or confetti. There will be some smoke on discharge and there may be a loud report. Other colours/styles are labelled as such.

<b>CAD</b>	ID N°: <b>XI/5015/195/6</b>	Serial N°: <b>108809/108813</b>	Title: <b>Airburst/Sparkle Airburst</b>
<b>CE</b>	Reg: <b>0589-T1-0419</b>	Category: <b>T1</b>	Type: <b>AIRBURST</b>
	Class/UN N°: <b>1.4G/0431</b>	Batch N°: <b>N/A</b>	Max NEC: <b>8 (Grams/unit)</b>

**ONLY FOR USE BY PERSONS AGED 18 YEARS OR OVER**

#### FS4 **SAFETY FIRST**

- sc001 T1 users may only use these articles for theatrical purposes within Stage, film and television productions, as well as within music or show productions.
- sc002 All T1 users must abide by the stated Minimum Safety Distance on the product and given below.\*
- sc004 Always test a sample of the product to be used to confirm suitability to the job and the venue.\*
- sc018 Do not fire these products in an unsuitable confined space or an area with poor ventilation.\*
- sc005 Typically T2 users should allow at least 1.5 times the Stated Directional Effect (or calculated Sound distance) as a safety margin when firing towards (or near) persons, scenery or flammable objects in the effects designed orientation.\*
- sc007 These products project hot sparks, Omnidirectionally, sometimes a considerable distance. There will also be some smoke on discharge and possibly a (loud) report.
- sc020 These products are designed to be fired from a height above a stage or controlled area, etc. They are normally fitted or hung from a truss or similar. For other uses contact Wells Fireworks for further advice.\*
- sc041 These products are primarily designed for indoor use and only function correctly in still or near still air conditions - If used outdoors expect a loss of performance especially if fired in moving air.
- sc014 Do not fire directly above any persons, scenery or flammable objects\*.
- sc036 Do not stick any form of covering over this product. To do so may dramatically change its performance or cause it to explode.
- sc037 This product will take ignition freely from hot sparks or other free ignition sources. Avoid ALL such sources of accidental initiation. If damaged do NOT use.
- SC033 Ensure the products are secured firmly, using suitable holders, fittings or containers as necessary. Always avoid undue force when rigging products as this may damage the units.
- SC029 Bridge Wire Resistance - 1.0Ω (Std. Deviation ± 0.09Ω). Max Test Current 40mA. Max No-Fire Current 300mA. Min Firing Current 1.0A. Recommended Nominal Firing Current 1.25A.
- SC046 \* Please Call or Email Wells Fireworks for further details if you intend to use these effects in a way other than intended by the manufacturer.

#### FS24 **Product Specific T2 Data for use by Persons With Specialist Knowledge**

FS29	Effect Code	CE Variant	A (m)	B		C (m)	D (m)	T (m)	T1 Safety Distances	
				dB	@m				Effect	Radial
*	AWNS0000WH004G	Std 4g (no Sparkle)	0.5	89.1	12	0	0	0.5	2	2
*Example Product Shown - see specific Sheet for accurate data										

FS26 *Key - A: Effect distance. B: Sound Pressure level including the measuring distance. C: Hazardous debris distance.*

FS27 *D: Information on incandescent particles returning to the level from which the device was fired. T: Radial effect distance*

FS28 *T1 Safety Distances: These are the recommended minimum safe use distances for amateur use.*

sc047

\* Wells Fireworks assumes no liability for the misuse of this product. It is up to the purchaser to ensure the safe use and suitability by Test Firings prior to the performance or public admittance.

## Airbursts

## Airburst (incl. Confetti & Spark Hit No.1)

CE Type	CE Category	CE name	Reg No	EU-type examination certificate
<b>AIRBURST</b>	<b>T1</b>	<b>Airburst</b>	<b>0589-T1-0419</b>	<b>0589.PYR.0125/17</b>

*A bright flash with optional large ball of projected sparks or confetti. There will be some smoke on discharge and there may be a loud report. Other colours/styles are labelled as such.*

Wells Code	Description	Packed in	NEQ (g)	UN No/ Class	Igniter length (mm)
AWWS0000**MICR	<b>Wells Micro Airburst with Sparkle</b>	<b>20</b>	<b>0.3</b>	<b>1.4G/0431</b>	<b>300</b>
AWNS0000WH004G	<b>Wells Airburst no Sparkle - 4g</b>	<b>10</b>	<b>4</b>	<b>1.4G/0431</b>	<b>300</b>
AWNS0000WH008G	<b>Wells Airburst no Sparkle - 8g</b>	<b>10</b>	<b>8</b>	<b>1.4G/0431</b>	<b>300</b>
ALNS0000WH004G	<b>Wells Low Noise Airburst no Sparkle - 4g</b>	<b>10</b>	<b>4</b>	<b>1.4G/0431</b>	<b>300</b>
ALNS0000WH008G	<b>Wells Low Noise Airburst no Sparkle - 8g</b>	<b>10</b>	<b>8</b>	<b>1.4G/0431</b>	<b>300</b>
AFNS0000WH004G	<b>Wells Airburst - F.O.4 no Sparkle</b>	<b>10</b>	<b>4</b>	<b>1.4G/0431</b>	<b>300</b>
AFNS0000WH007G	<b>Wells Airburst - F.O.7 no Sparkle</b>	<b>10</b>	<b>7</b>	<b>1.4G/0431</b>	<b>300</b>
ACIP0000**STND	<b>Confetti Airburst - All colours</b>	<b>8</b>	<b>0.6</b>	<b>1.4S/0432</b>	<b>300</b>
XOITCT00NANU01	<b>Spark Hit - No.1 (Simulated Bullet Strike)</b>	<b>20</b>	<b>0.1</b>	<b>1.4S/0432</b>	<b>300</b>

TECHNICAL PERFORMANCE SPECIFICATIONS		Effect Distance (A)			Radial Distance (T)			Sound Pressure (B)	@ (m) - (B)	Minimum Safety distance		Hazardous Debris (C)	Incandescent particles (D)	Unit NEC not exceeding
Wells Code	Variant Name	Min (m)	Avg (m)	Max (m)	Min (m)	Avg (m)	Max (m)	(dB)	(m)	Direction (m)	Radial (m)	(m)	(m)	(g)
AWWS0000**MICR	Micro (Sparkle)	0.5	0.5	0.5	0.5	0.5	0.5	73.4	12	2	2	0	0	8
AWNS0000WH004G	Std 4g (no Sparkle)	0.5	0.5	0.5	0.5	0.5	0.5	89.1	12	2	2	0	0	8
AWNS0000WH008G	Std 8g (no Sparkle)	0.8	0.8	0.8	0.8	0.8	0.8	100.6	12	3	3	0	0	8
ALNS0000WH004G	Low Noise 4g (no Sparkle)	0.5	0.5	0.5	0.5	0.5	0.5	75.8	12	2	2	0	0	8
ALNS0000WH008G	Low Noise 8g (no Sparkle)	0.8	0.8	0.8	0.8	0.8	0.8	85.9	12	2	2	0	0	8
AFNS0000WH004G	FO 4g (no Sparkle)	0.5	0.5	0.5	0.5	0.5	0.5	106.3	12	6	6	0	0	8
AFNS0000WH007G	FO 7g (no Sparkle)	1	1	1	1	1	1	120.3	12	13	13	0	0	8
ACIP0000**STND	Confetti Airburst (Red)	0.5	0.5	0.5	0.5	0.5	0.5	112	12	5	5	0	0	8
XOITCT00NANU01	Spark Hit - No1	1	1	1	1	1	1	88.6	12	3	3	0	0	8



**SAFETY DATA SHEET**

**Airburst (T1 only)**

**SECTION 1 – PRODUCT DETAILS**

**1.1 Product identifier:**

Product Name: Airburst.  
CE Reg Number: 0589-T1-0419

**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

<b>Name</b>	<b>CAS No.</b>	<b>EC No.</b>
Aluminium powder	7429-90-5	231-072-3
Magnesium powder	7439-54-4	231-104-6
Potassium Perchlorate	7778-47-7	231-912-9
Titanium powder	7440-32-6	231-142-3

List above covers all products within the Wells Fireworks Airburst 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 – TOXICOLOGICAL INFORMATION SECTION**

### *11.1 Information on toxicological 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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