

**CITY OF NOVI CITY COUNCIL**  
**APRIL 20, 2026**

**SUBJECT:** Approval of request for Pyrotechnics Display Permit by Brightmoor Christian Church to be operated by James Herr, from April 23, 2026 to April 24, 2026.

**SUBMITTING DEPARTMENT:** City Clerk

**KEY HIGHLIGHTS:**

- This is not a traditional fireworks display, but indoor pyrotechnics.
- There will be two types of pyrotechnics used: theatrical flashes and theatrical torches.
- Two fire safety officers will be present at each event.

**BACKGROUND INFORMATION:**

Brightmoor Christian Church would like to enhance upcoming programs with the addition of pyrotechnics displays on April 23, 2026 and April 24, 2026. The pyrotechnics will be displayed indoors from the worship center stage. During each performance, there will be two types of pyrotechnics used. Theatrical flashes will produce bright light and a cloud of smoke and theatrical stage torches.

The Michigan Fireworks Safety Act requires the applicant to furnish adequate insurance coverage with the Fireworks Permit Application. The Certificate of Liability Insurance is acceptable and provides an endorsement listing the City of Novi as an Additional Insured.

The Novi Fire Department has conducted a site inspection, and an additional inspection will occur once the show is complete. Additional Fire Department personnel will be assigned for the duration of the event to ensure that all safety measures and processes are adhered to according to the fireworks permit.

**RECOMMENDED ACTION:** Approval of request for Pyrotechnics Display Permit by Brightmoor Christian Church to be operated by James Herr, from April 23, 2026 to April 24, 2026.



NOVI CITY CLERK'S OFFICE  
45175 TEN MILE ROAD  
NOVI, MI 48375  
(248) 347-0456  
Fax (248) 347-0577

## FIREWORKS PERMIT APPLICATION Chapter 22 – Article VI (Section 22-112)

APPLICATION MUST BE MADE AT LEAST **45 DAYS**  
PRIOR TO THE DATE OF THE PROPOSED DISPLAY

### Section 1: Applicant Information

Business name/Organization name: Brightmoor Christian Church  
Business Contact Person's Name: James Herr  
Business Address: 40800 W. 13 Mile Road Novi, MI 48377 Business Phone: 248-668-7000

### Section 2: Operator Information

Lead Pyrotechnician Name: James Herr  
Company Name: Brightmoor Christian Church  
Address: 40800 W. 13 Mile Road Novi, MI 48377  
ATF License/Permit Number: N/A  
Age of Pyrotechnic Operator 18 years or older?  Yes  No  
No. Years of Experience: 14 No. Displays: 19 Where: Brightmoor Christian Church  
*(Attach documentation verifying operator's identity, qualifications, and training)*

Assistant Pyrotechnician Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
ATF License/Permit Number: \_\_\_\_\_  
Age of Pyrotechnic Operator 18 years or older?  Yes  No  
*(Attach documentation verifying operator's identity, qualifications, and training)*

### Section 3: Display Details

Date of event: 4/23/26 - 4/24/26 Time of Display: 7:00pm Length of Display: 7 min  
Address of event: 40800 W. 13 Mile Road Novi, MI 48377  
*(Must provide a scaled drawing of the site, including, but not limited to, surrounding buildings, the display site as described by NFPA 1123, the spectator viewing area, and the parking areas)*  
Property owner name: Brightmoor Christian Church  
Property owner email address: info@brightmoorcc.org Phone #: 248-668-7000  
Purpose of event (e.g., Independence Day celebration, fair): Men's Conference

Type of and number of fireworks to be discharged (attach additional pages if more space is required):

10 - 1 Second x 25' Gerb  
2 - Large Flame Projector  
6 - 1/4 Second x 12' Gerb  
2 - Mortar Hit  
4 - Tracer Comet AF - 20' 10-Shot x 10 Seconds  
4 - Mine AF - 25' 8-Shot x 10 Seconds

**Section 4: Documentation Checklist (All items are required)**

- Completed application form.**
- Proof of Age (18+) for all Pyrotechnician Operators:** Copy of government-issued photo ID
- ATF Commercial Fireworks License/Permit:** (Attach copy)
- Operator Qualifications:** Documented experience and training (as per NFPA 1123)
- Scale Drawing of Display Site:** Include buildings, spectator area, and parking
- Proof of Insurance:** Liability insurance per city requirements (attach certificate)
- Additional Insured Endorsement Certificate:** Separate page naming the City of Novi as an additional insured. (attach copy)
- State of Michigan Fireworks Permit:** Completed state application form
- Application Fee:**
  - First Application – \$750.00
  - Second Application – \$1000.00*(Payment must be submitted with this application; non-refundable)*

**Section 5: Certification**

I, the undersigned, certify that the information provided in this application is true and complete to the best of my knowledge. I agree to comply with all federal, state, and municipal laws, including NFPA 1123 standards and any conditions set by the City Fire Marshal.

*Jimi Herr*

APPLICANT'S SIGNATURE

3/23/26

DATE

# 2026 Application for Fireworks Other Than Consumer or Low Impact

FOR USE BY LEGISLATIVE BODY OF CITY, VILLAGE OR TOWNSHIP BOARD ONLY

DATE PERMIT(S) EXPIRE:

Authority: 2011 PA 256	The LEGISLATIVE BODY OF CITY, VILLAGE OR TOWNSHIP BOARD will not discriminate against any individual or group because of race, sex, religion, age, national origin, color, marital status, disability, or political beliefs. If you need assistance with reading, writing, hearing, etc., under the Americans with Disabilities Act, you may make your needs known to this Legislative Body of City, Village or Township Board.	
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**TYPE OF PERMIT(S) (Select all applicable boxes)**

Agricultural or Wildlife Fireworks     
  Articles Pyrotechnic     
  Display Fireworks  
 Public Display     
  Private Display  
 Special Effects Manufactured for Outdoor Pest Control or Agricultural Purposes

NAME OF APPLICANT <b>James Herr</b>		ADDRESS OF APPLICANT	AGE OF APPLICANT 18 YEARS OR OLDER <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
NAME OF PERSON OR RESIDENT AGENT REPRESENTING CORPORATION, LLC, DBA OR OTHER		ADDRESS PERSON OR RESIDENT AGENT REPRESENTING CORPORATION, LLC, DBA OR OTHER	
IF A NON-RESIDENT APPLICANT (LIST NAME OF MICHIGAN ATTORNEY OR MICHIGAN RESIDENT AGENT)		ADDRESS (MICHIGAN ATTORNEY OR MICHIGAN RESIDENT AGENT)	TELEPHONE NUMBER
NAME OF PYROTECHNIC OPERATOR <b>James Herr</b>		ADDRESS OF PYROTECHNIC OPERATOR	AGE OF PYROTECHNIC OPERATOR 18 YEARS OR OLDER <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
NO. YEARS EXPERIENCE <b>14</b>	NO. DISPLAYS <b>19</b>	WHERE <b>Brightmoor Christian Church</b>	
NAME OF ASSISTANT		ADDRESS OF ASSISTANT	AGE OF ASSISTANT 18 YEARS OR OLDER <input type="checkbox"/> YES <input type="checkbox"/> NO
NAME OF OTHER ASSISTANT		ADDRESS OF OTHER ASSISTANT	AGE OF OTHER ASSISTANT 18 YEARS OR OLDER <input type="checkbox"/> YES <input type="checkbox"/> NO

EXACT LOCATION OF PROPOSED DISPLAY  
**Brightmoor Christian Church Worship Center Platform**

DATE OF PROPOSED DISPLAY <b>4/23/26 - 4/24/26</b>	TIME OF PROPOSED DISPLAY <b>7:00pm</b>
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MANNER AND PLACE OF STORAGE, SUBJECT TO APPROVAL OF LOCAL FIRE AUTHORITIES, IN ACCORDANCE WITH NFPA 1123, 1124 & 1126 AND OTHER STATE OR FEDERAL REGULATIONS. PROVIDE PROOF OF PROPER LICENSING OR PERMITTING BY STATE OR FEDERAL GOVERNMENT

**Metal Flammables Cabinet**

AMOUNT OF BOND OR INSURANCE (TO BE SET BY LOCAL GOVERNMENT) <b>\$300,000</b>	NAME OF BONDING CORPORATION OR INSURANCE COMPANY <b>Shilton &amp; Associates</b>
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ADDRESS OF BONDING CORPORATION OR INSURANCE COMPANY  
**660 Cascade West Parkway, SE Grand Rapids, MI 49546**

NUMBER OF FIREWORKS	KIND OF FIREWORKS TO BE DISPLAYED (Please provide additional pages as needed)
<b>10</b>	<b>1 Second X 25' Gerb</b>
<b>2</b>	<b>Large Flame Projector</b>
<b>6</b>	<b>1/4 Second X 12' Gerb</b>
<b>2</b>	<b>Mortar Hit</b>
<b>4</b>	<b>Tracer Comet AF - 20' 10-Shot X 10 Seconds</b>
<b>4</b>	<b>Mine AF - 25' 8-Shot X 10 Seconds</b>

SIGNATURE OF APPLICANT 	DATE <b>3/23/26</b>
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## Instructions for Application for Fireworks Other Than Consumer or Low Impact

Applications shall be submitted to the legislative body of a city, village or township board. A permit may be issued as a result of official action by the legislative body. A permit shall be valid only for use within the limits of the jurisdiction of the legislative body of a city, village or township board.

1. Type of Permit – check all boxes that may apply to the type of permit needed. You may select several permit types depending on your fireworks display. You may check with your legislative body of a city, village or township board for assistance when making your selection. Please review the following definitions to determine which type of permit to select:
  - Agricultural or Wildlife Fireworks – devices distributed to farmers, ranchers, and growers through a wildlife management program administered by the US Department of Interior or Michigan DNR.
  - Articles Pyrotechnic – 1.4G fireworks for professional use only that is classified as UN0431 or UN0432.
  - Display Fireworks – 1.3G fireworks for professional use only
  - Special Effects Manufactured for Outdoor Pest Control or Agricultural Purposes – devices with a combination of chemical elements or compounds capable of burning independently of the oxygen of the atmosphere and designed and intended to produce an audible, visual, mechanical or thermal effect for pest or animal control.
  - Public Display – a fireworks display that is open to all persons for viewing.
  - Private Display – a fireworks display that is not open to the general public for viewing.
2. Name of applicant – list the name of the applicant. The applicant may be a person representing an organization, group, firm or corporation, or self. If the applicant is also the operator, enter the same name in the operator's section.
3. Address of applicant – complete the address of the applicant; include the street address, city, state and zip code.
4. Name of person or resident agent representing corporation, LLC, DBA or other – list the name of the person or resident agent that represents the corporation, LLC, DBA or other.
5. Address of person or resident agent that represents the corporation, LLC, DBA or other – list the address of the person or resident agent representing the corporation, LLC, DBA or other.
6. Non-resident applicant – list the name of the non-resident applicant. A non-resident applicant shall appoint a Michigan attorney or Michigan resident agent in writing to be the applicant's legal representative upon whom all service of process in any action or proceeding may be served.
7. Name of pyrotechnic operator – list the name of the pyrotechnic operator. The pyrotechnic operator is the person in charge of the display. The legislative body of a city, village or township board shall rule on the competency and qualifications of the operator before granting a permit and may require an affidavit from the applicant as to the operator's experience, former pyrotechnic accidents, criminal record, sobriety, etc.
8. Address of pyrotechnic operator – list the address of the pyrotechnic operator; include the street address, city, state and zip code.
9. Age of the pyrotechnic operator – list the age of the pyrotechnic operator; the operator must be 18 years of age or older.
10. Name of assistant – list the name of the assistant to the pyrotechnic operator;
11. Address of assistant – list the address of the assistant; include the street address, city, state and zip code. If there is more than one assistant, please list additional assistants on a separate sheet and include the address and age of those additional assistants.
12. Age of assistant – list the age of the assistant to the pyrotechnic operator; the assistant must be 18 years or older.
13. Name of other assistant – list the name of other assistant to the pyrotechnic operator.
14. Age of other assistant – list the age of the assistant to the pyrotechnic operator; the assistant must be 18 years or older.
15. Exact location of proposed display – list the address of the exact location of the proposed fireworks display.
16. Date of proposed display – indicate the date of the proposed fireworks display; only one display date can be used per application.
17. Time of proposed display – indicate the time of the proposed fireworks display.
18. Manner and place of storage - indicate the manner and place of storage within the legislative body of a city, village or township board of fireworks that are ready for display, just prior to the display in the area of exhibition. The legislative body of a city, village or township board shall obtain approval from the local fire authorities of the manner and place of storage before any permit is issued.

19. Amount of bond or insurance - the issuing legislative body of a city, village or township board shall set the amount of and proof of bond or insurance for the protection of the public to satisfy claims for damages to property or personal injuries arising out of any act or omission on the part of the person, firm or corporation, or any agent or employee of the applicant. The applicant shall assure the bond or insurance required is provided.
20. Name of bonding corporation or insurance company – provide the name of the bonding corporation or insurance company for which the bond was issued through.
21. Address of bonding corporation or insurance company – list the address of the bonding corporation or insurance company; include the street address, city, state and zip code.
22. Number of fireworks and kind of fireworks to be displayed– indicate the total amount of fireworks proposed for the display or use and a description of the type of fireworks for display; such as 10 aerial bombs, 30 aerial rocket bursts, etc.
23. The application is valid for the calendar year in which the application was received and permit was issued.
24. Permit fees shall be established by the legislative body of a city, village or township board and shall be submitted to and retained by legislative body of a city, village or township board.
25. Permitting will be in compliance with the [Michigan Fireworks Safety Act, PA 256 of 2011, MCL 28.466, Section 16](#).
26. **Mail the application to the legislative body of a city, village or township board within the location jurisdiction of the display.** DO NOT mail the application to the Bureau of Fire Services (BFS). If mailed to the BFS, it will be returned to the sender.



**NOTEPAD****Brightmoor Christian Church**  
INSURED'S NAME**BRIGH-3**  
**OP ID: MB**PAGE 2  
Date **03/23/2026**

High Hazard Activities	Occurrence	Aggregate
Fireworks Display	\$300,000	\$900,000

## 2026 Permit for Fireworks Other than Consumer or Low Impact

Authority: 2011 PA 256	The <b>LEGISLATIVE BODY OF CITY, VILLAGE OR TOWNSHIP BOARD</b> will not discriminate against any individual or group because of race, sex, religion, age, national origin, color, marital status, disability, or political beliefs. If you need assistance with reading, writing, hearing, etc., under the Americans with Disabilities Act, you may make your needs known to this Legislative Body of City, Village or Township Board.
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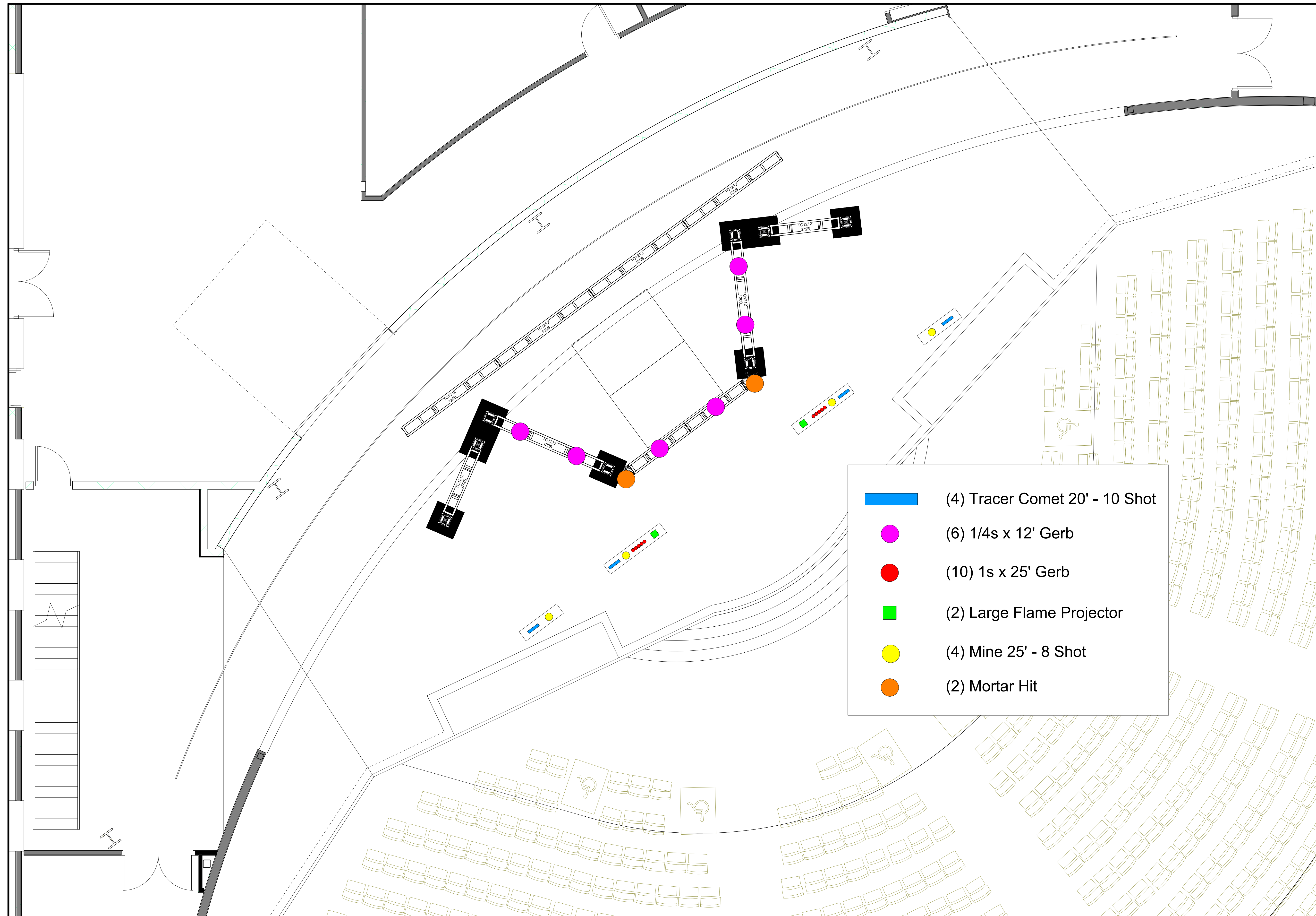
*This permit is not transferable. Possession of this permit authorizes the herein named person to possess, transport and display fireworks in the amounts, for the purpose of and at the place listed below only through permit expiration date.*

TYPE OF PERMIT(S) (Select all applicable boxes)		<b>FOR USE BY LEGISLATIVE BODY OF CITY, VILLAGE OR TOWNSHIP BOARD ONLY.</b>	
<input type="checkbox"/> Agricultural / Wildlife Fireworks <input type="checkbox"/> Articles Pyrotechnic <input type="checkbox"/> Display Fireworks <input type="checkbox"/> Public Display <input checked="" type="checkbox"/> Private Display <input type="checkbox"/> Special Effects Manufactured for Outdoor Pest Control or Agricultural Purposes		PERMIT(S) EXPIRATION DATE (ENTER DATE OF EXPIRATION)	
NAME OF PERSON PERMIT ISSUED TO <b>James Herr</b>		AGE (18 YEARS OR OLDER) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
ADDRESS OF PERSON PERMIT ISSUED TO			
NAME OF ORGANIZATION, GROUP, FIRM OR CORPORATION <b>Brightmoor Christian Church</b>			
ADDRESS <b>40800 W. 13 Mile Road Novi, MI 48377</b>			
NUMBER AND TYPES OF FIREWORKS (Please attach additional pages if necessary)			
10 - 1 Second X 25' Gerb 2 - Large Flame Projector 6 - 1/4 Second X 12' Gerb 2 - Mortar Hit 4 - Tracer Comet AF - 20' 10-Shot X 10 Seconds 4 - Mine AF - 25' 8-Shot X 10 Seconds			
EXACT LOCATION OF DISPLAY OR USE <b>Main Worship Center Platform</b>			
CITY, VILLAGE, TOWNSHIP <b>Novi</b>		DATE <b>4/23/26 - 4/24/26</b>	TIME <b>7:00pm</b>
BOND OR INSURANCE FILED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		AMOUNT <b>\$300,000</b>	

Issued by action of the Legislative Body of the <input type="checkbox"/> City <input type="checkbox"/> Village <input type="checkbox"/> Township of _____ on the _____ day of _____, 2026.	
_____ (Signature and Title of Legislative Body Representative)	

**\*THIS FORM IS VALID UNTIL THE DATE OF EXPIRATION OF PERMIT\***

# Men's Conference 2026 Pyro Drawing



1/4" = 1'

16<sup>th</sup> September 2019

# SAFETY DATA SHEET

## SECTION 1 – PRODUCT IDENTIFICATION

### 1.1 Product identifier

**Product Name:** SIMULATION EFFECTS (Napalm, Shellburst, Giant Fireball, Goldstar, Mortar Hit, Thunderflash)

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Relevant identified uses:** Articles pyrotechnic for technical purposes

### 1.3 Details of the Supplier of the Safety Data Sheet

**Supplier:** Le Maitre Ltd  
**Street/P.O. Box:** 6 Forval Close  
**Postcode/City:** CR4 4NE, Mitcham  
**Country:** England  
**Telephone number:** +44 (0)20 8646 2222  
**Email:** info@lemaitreltd.com

### 1.4 Emergency telephone number

**Please contact:** +44 (0)151 951 3317 Health and Safety Executive (HSE) Chemicals Regulation Directorate  
**Other comments:** Only available during office hours

## SECTION 2 – HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

H204: Fire or projection hazard

### 2.2 Label elements

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

Hazard category: Division 1.4

Signal word: Warning

Hazard statement: H204 Fire or projection hazard

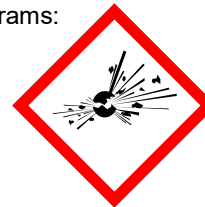
Precautionary Statements Prevention: P210, P234

Precautionary Statements Response: P370 + P372 + P380 + P373

Precautionary Statements Storage: P401

Precautionary Statements Disposal: P501

Hazard pictograms:



### 2.3 Other hazards

There are no chronic effects from handling the product appropriately  
 When used in the correct manner, any fallout does not pose a risk to personal health.

## SIMULATION EFFECTS

### SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

#### 3.1 Substances

Name	CAS No.	EC No.
Aluminium powder	7429-90-5	231-072-3
Charcoal	16291-96-6	240-383-3
Lycopodium powder	8023-70-9	282-002-3
Magnesium powder	7439-54-4	231-104-6
Naphthalene	91-20-3	202-049-5
Potassium Nitrate	7757-79-1	231-818-8
Potassium Perchlorate	7778-47-7	231-912-9
Starch	9005-25-8	232-679
Strontium Oxalate	814-95-9	212-415-6
Sulphur	7704-34-9	231-722-6

List above covers all products within the Simulation effect families

### SECTION 4 – FIRST AID MEASURES

#### 4.1 Description of first aid measures

**General notes:** In the case of accident or sickness, seek medical advice immediately.

**Following inhalation:** Remove casualty to fresh air and keep warm and at rest.

**Following skin contact:** Wash immediately with soap and water

**Following eye contact:** Immediately flush with water

**Following ingestion:** If accidentally swallowed, rinse the mouth with plenty of water (only if the person is conscious) and obtain medical attention

**Self protection of the first aider:** Pay attention to self protection!

#### 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

First aid, decontamination, treatment of symptoms

### SECTION 5 – FIREFIGHTING MEASURES

#### 5.1 Extinguishing media

**Suitable extinguishing media:** If there is a small flame persisting from the effect itself (or from the surrounding area) this can be extinguished with a dry powder or Carbon Dioxide Fire Extinguisher if trained to do so.

For larger fires do not attempt to extinguish any fire unless specifically trained to do so. Evacuate area and contact emergency services

**Unsuitable extinguishing media:** N/A

#### 5.2 Special hazards arising from the substance or mixture

Hazardous combustion products may be produced.

Pyrotechnic devices can burn violently and the state of the fire will be dependent on composition, packaging and containment.

#### 5.3 Advice for firefighters

Exercise extreme caution. Special protective equipment for firefighters: wear self-contained breathing apparatus and chemical protective clothing

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

**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 to other sections**

See sections 8 and 13

**SECTION 7 – HANDLING AND STORAGE**

**7.1 Precautions for safe handling**

**Protective measures:** Handle with caution.

**Measures to prevent fire:** No smoking and no naked flames.

**Measures to prevent aerosol and dust generation:** Do not tamper with the item.

**Advice on general occupational hygiene:** Do not eat, drink or smoke in work areas. Wash hands after use.

**7.2 Conditions for safe storage, including any incompatibilities**

**Technical measures and storage conditions:** Store in cool, dry place.

**Requirements for storage rooms and vessels:** 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.

**8.1**

**SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Control**

**parameters**

Workplace exposure limits.

**8.2 Exposure controls**

**8.2.1 Appropriate engineering controls:** Provide adequate ventilation.

**8.2.2 Personal protection equipment:** Appropriate Safety goggles.

**8.2.3 Environmental exposure controls:** No specific measures.

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

**Appearance:** Solid sealed tube

As this is a sealed unit chemical properties are not applicable

**9.2 Other information**

No additional information relevant to safe use.

**SECTION 10 – STABILITY AND REACTIVITY****10.1 Reactivity**

No specific data related to reactivity 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 according to provisions.

**10.4 Conditions to avoid**

Avoid high temperatures, shock, static discharge, vibrations or other physical stresses that might result in a hazardous situation.

**10.5 Incompatible materials**

As this is a sealed unit incompatible materials are not applicable.

**10.6 Hazardous decomposition products**

Decomposition does not occur during normal circumstances of storage, transport and handling. Upon functioning various gases may be emitted including oxides.

**SECTION 11 – TOXICOLOGICAL INFORMATION****11.1 Information on toxilological effects**

As this is a sealed unit this only applies to spillages.  
May cause eye and skin irritation. Inhalation or ingestion may cause discomfort.

**SECTION 12 – ECOLOGICAL INFORMATION****12.1 Toxicity**

Not classified as dangerous for the environment/aquatic toxicant

**12.2 Persistence and degradability** N/A

**12.3 Bioaccumulative potential** N/A

**12.4 Mobility in soil** N/A

**12.5 Results of PBT and vPvB assessment** N/A

## SIMULATION EFFECTS

**12.6 Other adverse effects** N/A

### SECTION 13 – DISPOSAL CONSIDERATIONS

#### **13.1 Waste treatment methods**

No specific regulations apply to packagings or spent devices. Unused devices should be 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.

### SECTION 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**

N/A

#### **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

### SECTION 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

### SECTION 16 – OTHER INFORMATION

Information for this safety data sheet was obtained from sources considered technically accurate and reliable. Whilst every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of, or reliance on, any information contained in this form.



20<sup>th</sup> January 2019

# SAFETY DATA SHEET

## SECTION 1 – PRODUCT IDENTIFICATION

### 1.1 Product identifier

**Product Name:** GERBS, JETS, CASCADES, WATERFALLS & ROCKETS

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Relevant identified uses:** Articles pyrotechnic for technical purposes

### 1.3 Details of the Supplier of the Safety Data Sheet

**Supplier:** Le Maitre Ltd  
**Street/P.O. Box:** 6 Forval Close  
**Postcode/City:** CR4 4NE, Mitcham  
**Country:** England  
**Telephone number:** +44 (0)20 8646 2222  
**Email:** info@lemaitreltd.com

### 1.4 Emergency telephone number

**Please contact:** +44 (0)151 951 3317 Health and Safety Executive (HSE) Chemicals Regulation Directorate  
**Other comments:** Only available during office hours

## SECTION 2 – HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

H204: Fire or projection hazard

### 2.2 Label elements

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

Hazard category: Division 1.4  
Signal word: Warning  
Hazard statement: H204 Fire or projection hazard  
Precautionary Statements Prevention: P210, P234  
Precautionary Statements Response: P370 + P372 + P380 + P373  
Precautionary Statements Storage: P401  
Precautionary Statements Disposal: P501

Hazard pictograms:



### 2.3 Other hazards

There are no chronic effects from handling the product appropriately.  
When used in the correct manner, any fallout does not pose a risk to personal health.

**SECTION 3 – COMPOSITION / 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 Carbonate	513-77-9	208-167-3
Charcoal	16291-96-6	240-383-3
Dextrin	9004-53-9	232-675-4
Graphite	7782-42-5	231-955-3
Iron	7439-89-6	231-096-4
Magnesium powder	7439-54-4	231-104-6
Potassium Benzoate	582-25-2	209-481-3
Sodium Bicarbonate	144-58-8	205-633-8
Potassium Nitrate	7757-79-1	231-818-8
Potassium Perchlorate	7778-47-7	231-912-9
Talc	14087-96-6	238-877-9
Sulphur	7704-34-9	231-722-6
Titanium powder	7440-32-6	231-142-3

List above covers all products within the Gerb, Jet, Cascade, Waterfall & Rocket families

**SECTION 4 – FIRST AID MEASURES****4.1 Description of first aid measures**

**General notes:** In the case of accident or sickness, seek medical advice immediately.

**Following inhalation:** Remove casualty to fresh air and keep warm and at rest.

**Following skin contact:** Wash immediately with soap and water

**Following eye contact:** Immediately flush with water

**Following ingestion:** If accidentally swallowed, rinse the mouth with plenty of water (only if the person is conscious) and obtain medical attention

**Self protection of the first aider:** Pay attention to self protection!

**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**

First aid, decontamination, treatment of symptoms

**SECTION 5 – FIREFIGHTING MEASURES****5.1 Extinguishing media**

**Suitable extinguishing media:** If there is a small flame persisting from the effect itself (or from the surrounding area) this can be extinguished with a dry powder or Carbon Dioxide Fire Extinguisher if trained to do so.

For larger fires do not attempt to extinguish any fire unless specifically trained to do so. Evacuate area and contact emergency services

**Unsuitable extinguishing media:** N/A

**5.2 Special hazards arising from the substance or mixture**

Hazardous combustion products may be produced.

Pyrotechnic devices can burn violently and the state of the fire will be dependent on composition, packaging and containment.

### 5.3 Advice for firefighters

Exercise extreme caution. Special protective equipment for firefighters: wear self-contained breathing apparatus and chemical protective clothing

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

### 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 to other sections

See sections 8 and 13

## SECTION 7 – HANDLING AND STORAGE

### 7.1 Precautions for safe handling

**Protective measures:** Handle with caution.

**Measures to prevent fire:** No smoking and no naked flames.

**Measures to prevent aerosol and dust generation:** Do not tamper with the item.

**Advice on general occupational hygiene:** Do not eat, drink or smoke in work areas. Wash hands after use.

### 7.2 Conditions for safe storage, including any incompatibilities

**Technical measures and storage conditions:** Store in cool, dry place.

**Requirements for storage rooms and vessels:** 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 Appropriate engineering controls:** Provide adequate ventilation.

**8.2.2 Personal protection equipment:** Appropriate Safety goggles.

**8.2.3 Environmental exposure controls:** No specific measures.

**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**

**10.1 Reactivity**

No specific data related to reactivity 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 according to provisions.

**10.4 Conditions to avoid**

Avoid high temperatures, shock, static discharge, vibrations or other physical stresses that might result in a hazardous situation.

**10.5 Incompatible materials**

As this is a sealed unit incompatible materials are not applicable.

**10.6 Hazardous decomposition products**

Decomposition does not occur during normal circumstances of storage, transport and handling. Upon functioning various gases may be emitted including oxides.

**SECTION 11 – TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects**

As this is a sealed unit this only applies to spillages. May cause eye and skin irritation. Inhalation or ingestion may cause discomfort.

**SECTION 12 – ECOLOGICAL INFORMATION**

**12.1 Toxicity**

Not classified as dangerous for the environment/aquatic toxicant

**12.2 Persistence and degradability** N/A

**12.3 Bioaccumulative 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

**SECTION 13 – DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods**

No specific regulations apply to packagings or spent devices.  
Unused devices should be 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.

**SECTION 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**

N/A

**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

**SECTION 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

**SECTION 16 – OTHER INFORMATION**

Information for this safety data sheet was obtained from sources considered technically accurate and reliable. Whilst every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of, or reliance on, any information contained in this form.

16<sup>th</sup> September 2019

# SAFETY DATA SHEET

## SECTION 1 – PRODUCT IDENTIFICATION

### 1.1 Product identifier

**Product Name:** FLAMES

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Relevant identified uses:** Articles pyrotechnic for technical purposes  
For indoor use

### 1.3 Details of the Supplier of the Safety Data Sheet

**Supplier:** Le Maitre Ltd  
**Street/P.O. Box:** 6 Forval Close  
**Postcode/City:** CR4 4NE, Mitcham  
**Country:** England  
**Telephone number:** +44 (0)20 8646 2222  
**Email:** info@lemaitreLtd.com

### 1.4 Emergency telephone number

**Please contact:** +44 (0)151 951 3317 Health and Safety Executive (HSE) Chemicals Regulation Directorate  
**Other comments:** Only available during office hours

## SECTION 2 – HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

H204: Fire or projection hazard

### 2.2 Label elements

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

Hazard category: Division 1.4

Signal word: Warning

Hazard statement: H204 Fire or projection hazard

Precautionary Statements Prevention: P210, P234

Precautionary Statements Response: P370 + P372 + P380 + P373

Precautionary Statements Storage: P401

Precautionary Statements Disposal: P501

Hazard pictograms:



### 2.3 Other hazards

There are no chronic effects from handling the product appropriately.  
When used in the correct manner, any fallout does not pose a risk to personal health.

## FLAMES

### SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

#### 3.1 Substances

Name	CAS No.	EC No.
Ammonium Perchlorate	7798-98-9	232-235-1
Diphenylamine	122-39-4	204-539-4
Iron Oxide	1309-37-1	215-168-2
Nitrocellulose	9004-70-0	603-037-0
Nitroguanadine	556-88-7	209-143-5
Titanium Powder	7440-32-6	231-142-3
Barium Nitrate	10022-31-8	233-020-5
Copper Carbonate	1184-64-1	214-671-4
Sodium Nitrate	7631-99-4	231-554-3
Strontium Nitrate	10042-76-9	233-131-9

List above covers all products within the Flame family

### SECTION 4 – FIRST AID MEASURES

#### 4.1 Description of first aid measures

**General notes:** In the case of accident or sickness, seek medical advice immediately.

**Following inhalation:** Remove casualty to fresh air and keep warm and at rest.

**Following skin contact:** Wash immediately with soap and water

**Following eye contact:** Immediately flush with water

**Following ingestion:** If accidentally swallowed, rinse the mouth with plenty of water (only if the person is conscious) and obtain medical attention

**Self protection of the first aider:** Pay attention to self protection!

#### 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

First aid, decontamination, treatment of symptoms

### SECTION 5 – FIREFIGHTING MEASURES

#### 5.1 Extinguishing media

**Suitable extinguishing media:** If there is a small flame persisting from the effect itself (or from the surrounding area) this can be extinguished with a dry powder or Carbon Dioxide Fire Extinguisher if trained to do so.

For larger fires do not attempt to extinguish any fire unless specifically trained to do so. Evacuate area and contact emergency services

**Unsuitable extinguishing media:** N/A

#### 5.2 Special hazards arising from the substance or mixture

Hazardous combustion products may be produced.

Pyrotechnic devices can burn violently and the state of the fire will be dependent on composition, packaging and containment.

#### 5.3 Advice for firefighters

Exercise extreme caution. Special protective equipment for firefighters: wear self-contained breathing apparatus and chemical protective clothing

**SECTION 6 – ACCIDENTAL RELEASE MEASURES****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 to other sections**

See sections 8 and 13

**SECTION 7 – HANDLING AND STORAGE****7.1 Precautions for safe handling**

**Protective measures:** Handle with caution.

**Measures to prevent fire:** No smoking and no naked flames.

**Measures to prevent aerosol and dust generation:** Do not tamper with the item.

**Advice on general occupational hygiene:** Do not eat, drink or smoke in work areas. Wash hands after use.

**7.2 Conditions for safe storage, including any incompatibilities**

**Technical measures and storage conditions:** Store in cool, dry place.

**Requirements for storage rooms and vessels:** 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 Appropriate engineering controls:** Provide adequate ventilation.

**8.2.2 Personal protection equipment:** No specific measures.

**8.2.3 Environmental exposure controls:** No specific measures.

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

**Appearance:** Solid tube containing loose composition

**9.2 Other information**

No additional information relevant to safe use.

**SECTION 10 – STABILITY AND REACTIVITY****10.1 Reactivity**

No specific data related to reactivity 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 according to provisions.

**10.4 Conditions to avoid**

Avoid high temperatures, shock, static discharge, vibrations or other physical stresses that might result in a hazardous situation.

**10.5 Incompatible materials**

As this is a sealed unit incompatible materials are not applicable.

**10.6 Hazardous decomposition products**

Decomposition does not occur during normal circumstances of storage, transport and handling. Upon functioning various gases may be emitted including oxides.

**SECTION 11 – TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects**

As this is a sealed unit this only applies to spillages. May cause eye and skin irritation. Inhalation or ingestion may cause discomfort.

**SECTION 12 – ECOLOGICAL INFORMATION****12.1 Toxicity**

Not classified as dangerous for the environment/aquatic toxicant

**12.2 Persistence and degradability** N/A

**12.3 Bioaccumulative 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

## FLAMES

### SECTION 13 – DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

No specific regulations apply to packagings or spent devices.  
Unused devices should be 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.

### SECTION 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

N/A

#### 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

### SECTION 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

### SECTION 16 – OTHER INFORMATION

Information for this safety data sheet was obtained from sources considered technically accurate and reliable. Whilst every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of, or reliance on, any information contained in this form.

# Bedienungsanleitung / Gebrauchsanweisung

Pyrotechnische Gegenstände für Bühne und Theater der Kategorie T1

**PYROTECHNIK- KOMBINATION 20ft , color**  
**Tracer Comet AF – 20' color, Ten Shot x 10sec**



**0589-T1-0069**

<b>Hersteller Bezeichnung:</b> <b>Tracer Comet AF – 20' color Ten Shot x10sec</b> <b>Registriernummer: 0589-T1-0069</b> <b>Kategorie : T1</b> <b>EU- Baumusterprüfbescheinigung : 0589.PYR.2798/11</b>	<b>Beschreibung und Hauptwirkung :</b> Die Erzeugung des Effekts erfolgt ohne Verzögerung nach der Zündung mit einem Geräusch /Knall. Der einzelne pyrotechnische Stern wird farbig brennend , mit oder ohne Schweif , schnell ausgestoßen. Es werden nach der Zündung 10 Kometen innerhalb 10 Sekunden ausgestoßen. Die jeweilige Farbe mit und ohne Schweif ist auf dem Etikett des pyrotechnischen Gegenstands angegeben.
<b>Technische Daten Pyrotechnischer Gegenstand :</b> NEM: ca.20 g Breite: ca.48mm Höhe : ca.29mm Länge :ca.300mm mittlere Effekthöhe: 6m mittlere radiale Effektbreite : 0,5m Schalldruckpegel max. bei 8m : 105,0db (Almax) Maximale Wurfweite von brennendem und glimmendem Material : 0m Maximal Wurfweite von gefährlichen Reststücken : 0m	<b>Technische Daten Anzünder :</b> <b>Art des Brückenzünder: A</b> NEM:0,005 g Art des Brückenzünder : A Maximaler Prüfstrom: 0,025 A Maximaler Zündstrom : 0,5 A
<b>Lagerung:</b> Trocken und kühl lagern. Vor Nässe schützen Lagerung laut Spreng G beachten! Lagergruppe: 1.4 Verträglichkeitsgruppe: G Transportklassifizierung : 1.4 G Name und UN-Nr.:UN0431, PYROTECHNISCHE GEGENSTÄNDE	<b>Versager und Entsorgung:</b> Versager, defekte Artikel und Artikel die mit Wasser in Kontakt geraten sind nicht wieder verwenden. Entsorgen/ Vernichten entsprechend den nationalen Entsorgungsvorschriften oder Rückgabe an den Hersteller, Händler oder Importeur.

## Hinweise zur Sicherem Handhabung :

**Der Mindestsicherheitsabstand in Richtung des Effekts : 9m**  
**Der radiale Mindestsicherheitsabstand: 2m**

- Nur an Stromlose Zündkabel anschließen.** Die Kabelverbindung zum Zündsystem nur herstellen wenn das Zündgerät stromlos und durch den Schlüsselsicherheitsschalter ausgeschaltet ist und der Schlüssel sich im Besitz des Anwenders befindet.
- Um ein Umfallen zu verhindern ist der Gegenstand für die Verwendung zu befestigen.** Der Gegenstand sollte auf mindestens schwer entflammbarem Material befestigt werden.
- Während der Handhabung absolutes **Rauchverbot und kein offenes Licht oder Feuer** am und in der Nähe des Abbrennplatzes.
- Den pyrotechnischen Gegenstand nur zünden, wenn ungehinderte Sicht auf den Abbrennplatz gegeben ist und die Sicherheitsanordnungen eingehalten werden.
- Zur Verwendung Sicherheitsmaßnahmen treffen (z.B. Gefahrenbereich absperren, Bereitstellung von Feuerlöschgeräten, Erste Hilfe gewährleisten, Kennzeichnung des Bereichs mit Rauchverbotsschildern etc.)
- Die Gegenstände dürfen nur für technische Zwecke im Rahmen von Bühnen-, Film - und Fotoproduktionen sowie Musik- und Showveranstaltungen verwendet werden.
- Mindestalter entsprechend der Richtlinie 2013/29/EU bzw. den nationalen Vorschriften.  
Für Deutschland gilt: **Abgabe an Personen unter 18 Jahren verboten.**
- Der Vertrieb und das Überlassen dieser Gegenstände ist nur in ungeöffneter Originalverpackung erlaubt.
- Nicht in der Nähe von Personen oder feuergefährdeten Objekten verwenden.
- 1.SprengV , Abschnitt V, §20 beachten ! und /oder BAM Leitfaden „Verwendung von T1- Gegenständen“ beachten!**
- Vorschriften beachten!** (z.B.1.SprengV; VstättVO; VBG C1; BGI 812, SP25,1/4), Gefahrenanalyse erstellen.
- Erprobung und Verwendung sind nur mit Genehmigung der Zuständigen Behörden zulässig.  
Genehmigung der Sicherheitsorgane einholen
- Besondere Vorschriften bei der Verwendung in Versammlungsstätten beachten.
- Wirkung der örtlichen Brandmeldeanlage in den Räumen beachten, Schutzabstände mit dem Sicherheitsbeauftragten festlegen.



Hersteller:  
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www.ultratecfx.com

# Instruction/Manual

Theatrical pyrotechnic articles of category T1

## PYROTECHNIC – COMBINATION – COMBINATION 20ft, COLOR Tracer Comet – 20' Color, 10 Shot x 10 Sec



### 0589-T1-0069

<b>Product name:</b> <b>Tracer Comet AF – 20' Color 10 Shot x 10 sec</b> <b>Registration number: 0589-T1-0069</b> <b>Category: T1</b> <b>EC Type-Examination Certificate no. : 0589.PYR.2798/11</b>	<b>Description of effect:</b> The effect is generated without delay after ignition with a noise / bang. The single pyrotechnic star is colored burning, with or without tail, quickly ejected. After the ignition, 10 comets are ejected within 10 seconds. The respective color with and without tail is indicated on the label of the pyrotechnic article.
<b>Technical data:</b> NEQ: approx. 20g Width: approx. 48mm Height: approx. 29mm Length: approx. 300mm Mid. effect height: 6m Mid. radial effect width: 0,5m Soundlevel max. at 8m: 105,0db (Almax) Max. distance of burning or incandescent material: 0m Max. distance of hazardous debris : 0m	<b>Technical data igniter/match :</b> <b>Type of Bridge wire igniter: A</b> NEQ: 0,005 g Max. Test current: 0,025A Minimum firing current : 0,5A
<b>Storage:</b> Dry and cool. Protect from moisture. Store according to national explosive law Division: 1.4 compatibility group: G Transport classification : 1.4 G Name and UN-no.: UN0431, ARTICLES PYROTECNIC	<b>Failure and defect items and disposal:</b> Don't use failure, defect articles or wet articles. Disposal according to national provisions or return to manufacturer

### Instruction for safe handling:

**Safety distance direction of Effect: 9m**  
**Safety distance radial: 2m**

1. **Connect only to currentless firing cables and ignition device.** Connect cable only to currentless ignition systems and make sure the device is switched off and the safety key must be in possession of the responsible users.
2. **To prevent it from falling over, fix the object for use.** The item should be mounted on at least flame retardant material.
3. During use, absolute **no smoking and no open light or fire** at and near the burning-off place.
4. Only ignite the pyrotechnic article if there is an unobstructed view of the burning site and the safety instructions are complied with.
5. Take precautionary measures (such as shutting off danger areas, providing fire extinguishers, providing first aid, marking the area with no smoking signs, etc.).
6. The items shall be used only for technical purposes within stage, film and television productions, as well as within music and show productions.
7. Minimum age limits according to Directive 2013/29/EU or national provisions. For Germany applies: **Hand-over to persons under the age of 18 years prohibited.**
8. The distribution and disposition of the articles only within unopened original packaging.
9. Do not use near persons or fire-endangered objects.
10. **Pay attention to national and local guidelines and laws**
11. **Observe regulations!** (eg in Germany 1.SprengV, VstättVO, VBG C1, BGI 812, SP25,1 / 4), create hazard analysis.
12. Testing and use are permitted only with the approval of the competent authorities. Obtain approval of the security forces.
13. Please note special regulations for use in location /venue.
14. Note the effect of the local fire alarm system in the rooms, determine the safety distances with the safety officer.



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# Bedienungsanleitung / Gebrauchsanweisung

Pyrotechnische Gegenstände für Bühne und Theater der Kategorie T1

## PYROTECHNIK- 8 SCHUSS FEUERTOPFKOMBINATION (25ft) Mine AF - Multi Shot 8xSec 25' , color



### 0589-T1-0125

<b>Hersteller Bezeichnung:</b> <b>Mine AF – Multi Shot 8x X Sec 25' color</b> <b>Registriernummer: 0589-T1-0125</b> <b>Kategorie : T1</b> <b>EU- Baumusterprüfbescheinigung : 0589.PYR.3844/12</b>	<b>Beschreibung und Hauptwirkung :</b> Die Erzeugung des Effekts erfolgt ohne Verzögerung nach der Zündung mit einem Geräusch /Knall. Die pyrotechnischen Sterne werden farbig brennend ausgestoßen und erzeugen einen gestreuten optischen (mit und ohne akustischem) Effekt. Dies erfolgt nach der Zündung 8x innerhalb der angegeben Zeit (X) Die jeweilige Farbe mit und ohne Schweiß sowie die Dauer in Sekunden ist auf dem Etikett des pyrotechnischen Gegenstands angegeben.
<b>Technische Daten Pyrotechnischer Gegenstand :</b> NEM: ca.64 g Außendurchmesser je Rohr: ca.34mm Innendurchmesser je Rohr: ca.29mm Breite: ca.145mm, Länge:ca.145mm, Höhe: ca.160mm mittlere Effekthöhe: 8,2m mittlere radiale Effektbreite : 3,1m Schalldruckpegel max. bei 8m : 94,3db (Almax) Maximale Wurfweite von brennendem und glimmendem Material : 0m Maximal Wurfweite von gefährlichen Reststücken : 0m	<b>Technische Daten Anzünder :</b> <b>Art des Brückenzünder: A</b> NEM:0,005 g Art des Brückenzünder : A Maximaler Prüfstrom: 0,025 A Maximaler Zündstrom : 0,5 A
<b>Lagerung:</b> Trocken und kühl lagern. Vor Nässe schützen Lagerung laut Spreng G beachten! Lagergruppe: 1.4 Verträglichkeitsgruppe: G Transportklassifizierung : 1.4 G Name und UN-Nr.:UN0431, PYROTECHNISCHE GEGENSTÄNDE	<b>Versager und Entsorgung:</b> Versager, defekte Artikel und Artikel die mit Wasser in Kontakt geraten sind nicht wieder verwenden. Entsorgen/ Vernichten entsprechend den nationalen Entsorgungsvorschriften oder Rückgabe an den Hersteller, Händler oder Importeur.

### Hinweise zur Sicherem Handhabung :

**Der Mindestsicherheitsabstand in Richtung des Effekts :  
12m Der radiale Mindestsicherheitsabstand: 4m**

1. **Nur an Stromlose Zündkabel anschließen.** Die Kabelverbindung zum Zündsystem nur herstellen wenn das Zündgerät stromlos und durch den Schlüsselsicherheitschalter ausgeschaltet ist und der Schlüssel sich im Besitz des Anwenders befindet.
2. **Um ein Umfallen zu verhindern ist der Gegenstand für die Verwendung zu befestigen.** Der Gegenstand sollte auf mindestens schwer entflammbarem Material befestigt werden.
3. Während der Handhabung absolutes **Rauchverbot und kein offenes Licht oder Feuer** am und in der Nähe des Abbrennplatzes.
4. Den pyrotechnischen Gegenstand nur zünden, wenn ungehinderte Sicht auf den Abbrennplatz gegeben ist und die Sicherheitsanordnungen eingehalten werden.
5. Zur Verwendung Sicherheitsmaßnahmen treffen (z.B. Gefahrenbereich absperren, Bereitstellung von Feuerlöschgeräten, Erste Hilfe gewährleisten, Kennzeichnung des Bereichs mit Rauchverbotsschildern etc.)
6. Die Gegenstände dürfen nur für technische Zwecke im Rahmen von Bühnen-, Film - und Fotoproduktionen sowie Musik- und Showveranstaltungen verwendet werden.
7. Mindestalter entsprechend der Richtlinie 2013/29/EU bzw. den nationalen Vorschriften.  
Für Deutschland gilt: **Abgabe an Personen unter 18 Jahren verboten.**
8. Der Vertrieb und das Überlassen dieser Gegenstände ist nur in ungeöffneter Originalverpackung erlaubt.
9. Nicht in der Nähe von Personen oder feuergefährdeten Objekten verwenden.
10. **1.SprengV , Abschnitt V, §20 Abs.(3\*) beachten ! und /oder BAM Leitfaden „Verwendung von T1- Gegenständen“ beachten!**
11. **Vorschriften beachten!** (z.B.1.SprengV; VstättVO; VBG C1; BGI 812, SP25, 1/4), Gefahrenanalyse erstellen.
12. Erprobung und Verwendung sind nur mit Genehmigung der Zuständigen Behörden zulässig.Genehmigung der Sicherheitsorgane einholen
13. Besondere Vorschriften bei der Verwendung in Versammlungsstätten beachten.
14. Wirkung der örtlichen Brandmeldeanlage in den Räumen beachten, Schutzabstände mit dem Sicherheitsbeauftragten festlegen.

\*Ein Erlaubnisinhaber nach § 7 oder § 27 des Sprengstoffgesetzes oder eine verantwortliche Person nach § 20 des Sprengstoffgesetzes mit der Befähigung zum Abbrennen pyrotechnischer Gegenstände für Bühne und Theater der Kategorie T2 darf pyrotechnische Gegenstände, die als pyrotechnischer Gegenstand für Bühne und Theater der Kategorie T1 oder als pyrotechnischer Gegenstand für Bühne und Theater der Kategorie T1 mit der Angabe „nur zur Verwendung im Freien“ gekennzeichnet sind, in einer von der Kennzeichnung oder der Gebrauchsanleitung abweichenden Art und Weise verwenden, wenn er dabei die mit diesem Gebrauch verbundenen Gefahren gebührend berücksichtigt.



Hersteller:  
Ultratec Special Effects GmbH  
Dieselstr.30-40, 60314 Frankfurt am Main , Deutschland  
Tel:+49 (0)69 870001850  
www.ultratecfx.com

# Instruction/Manual

Theatrical pyrotechnic articles of category T1

## PYROTECHNIC – COMBINATION – 8 SHOT MINE COMBINATION 25ft Mine AF – Multi Shot 8 x XSec 25', Color



0589-T1-0125

<b>Product name:</b> <b>Mine AF – Multi Shot 8 x XSec 25' Color</b> <b>Registration number: 0589-T1-0125</b> <b>Category: T1</b> <b>EC Type-Examination Certificate no. : 0589.PYR.3844/12</b>	<b>Description of effect:</b> The effect is generated without delay after ignition with a noise / bang. The pyrotechnic stars are emitted in color burning and produce a scattered optical (with and without acoustic) effect. This is done after ignition 8 times within the specified time (X) The respective color with and without tail as well as the duration in seconds is indicated on the label of the pyrotechnic article.
<b>Technical data:</b> NEQ: approx. 64g Outer diameter each tube: approx. 34mm Inner diameter each tube: approx. 29mm Width: approx. 245mm Length: approx. 145mm Height: approx. 160mm Mid. effect height: 8,2m Mid. radial effect width: 3,1m Soundlevel max. at 8m: 94,3dB (AImax) Max. Distance of burning or incandescent material: 0m Max. Distance of hazardous debris : 0m	<b>Technical data igniter/match:</b> <b>Type of bridge wire igniter: A</b> NEQ: 0,005 g Max. Test current: 0,025A Minimum firing current : 0,5A
<b>Storage:</b> Dry and cool. Protect from moisture. Store according to national explosive law Division: 1.4 Compatibility group: G Transport classification : 1.4 G Name and UN-No.: UN0431, ARTICLES PYROTECHNIC	<b>Failure and defect items and Disposal:</b> Don't use failure, defect articles or wet articles. Disposal according to national provisions or return to manufacturer

### Instruction for safe handling:

**Safety distance direction of Effect:**  
**12m Safety distance radial: 4m**

1. **Connect only to currentless firing cables and ignition device.** Connect cable only to currentless ignition systems and make sure the device is switched off and the safety key must be in possession of the responsible users.
2. **To prevent it from falling over, fix the object for use.** The item should be mounted on at least flame retardant material.
3. During use, absolute **no smoking and no open light or fire** at and near the burning-off place.
4. Only ignite the pyrotechnic article if there is an unobstructed view of the burning site and the safety instructions are complied with.
5. Take precautionary measures (such as shutting off danger areas, providing fire extinguishers, providing first aid, marking the area with no smoking signs, etc.).
6. The items shall be used only for technical purposes within stage, film and television productions, as well as within music and show productions.
7. Minimum age limits according to Directive 2013/29/EU or national provisions. For Germany applies: **Hand-over to persons under the age of 18 years prohibited.**
8. The distribution and disposition of the articles only within unopened original packaging.
9. Do not use near persons or fire-endangered objects.
10. **Pay attention to national and local guidelines and laws**
11. **Observe regulations!** (eg in Germany 1.SprengV, VstättVO, VBG C1, BGI 812, SP25,1 / 4), create hazard analysis.
12. Testing and use are permitted only with the approval of the competent authorities. Obtain approval of the security forces.
13. Observe special regulations for use in location /venue.
14. Observe the effect of the local fire alarm system in the rooms, determine the safety distances with the safety officer.



\*NOTE: A person with specialist knowledge can handle and/or use articles labelled T1 or T1 'for outdoor use only' in a different manner to that prescribed on the label or within the instructions for use, provided that they have taken due consideration of the hazards and risks that any deviations they make might have. . A person with specialist knowledge is expected to have the knowledge to make use of T1 products in a different manner to those prescribed on the label or the instructions.



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# MEMORANDUM



**TO:** CORTNEY HANSON, CITY CLERK  
**FROM:** ERICK W. ZINSER   
DIRECTOR OF PUBLIC SAFETY/CHIEF OF POLICE  
**INITIATED BY:** MICHAEL BENDER, DETECTIVE   
**SUBJECT:** PYROTECHNIC APPLICATION-BRIGHTMOORE CHURCH  
**DATE:** APRIL 6, 2026

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APPLICANT:  
James Herr  
2247 Charms Ravine  
Wixom, MI 48393

VENUE OF EVENT:  
Brightmoor Church  
40800 W. Thirteen Mile Rd  
Novi, MI 48377

DATES OF EVENT:  
04-23-26 through 04-24-26

INFORMATION:  
The Novi Police Department received this request from the Novi City Clerk's Office to review a Theatrical Pyrotechnic application which will be displayed at Brightmoor Church, on the main worship center platform.

INVESTIGATION:  
An ICHAT, Sex Offender Registry and CLEMIS. The check revealed nothing of concern that would disqualify any applicant from approval.



March 26, 2026

TO: Cortney Hanson - City Clerk  
Melissa Morris – Deputy City Clerk

FROM: Andrew Copeland – Fire Marshal

SUBJECT: **Indoor Pyrotechnics for Brightmoor Christian Church**  
**40800 Thirteen Mile Rd, Novi MI 48377**

EVENT DATES & TIMES: April 23, 2026 @ 7pm (Rehearsal & Safety Check)  
April 24, 2026 @ 7pm (Live Event)

**CITY COUNCIL**

**Mayor**

Justin Fischer

**Mayor Pro Tem**

Laura Marie Casey

Dave Staudt

Brian Smith

Matt Heintz

Priya Gurumurthy

Aaron Martinez

**City Manager**

Victor Cardenas

**Director of Public Safety**

**Chief of Police**

Erick W. Zinser

**Fire Chief**

John B. Martin

**Assistant Chief of Police**

Scott R. Baetens

**Assistant Fire Chief**

Todd Seog

I have reviewed the application for a Fireworks Permit at the above location. This application is **Recommended for Approval with Conditions** and is contingent upon a satisfactory fire safety inspection prior to each of the performances. See Fire Marshals notes below for Fire Watch stand-by requirements.

- 1) **NFPA 1126 Sec 6.4 - Pre-Show Review and Demonstration.** A walk-through and a representative demonstration of the pyrotechnics shall be approved by the authority having jurisdiction before permit is approved.
- 2) **(Received on 3/26/2026)** - MUST provide Fire Department exact location where fireworks will be ignited.
- 3) MUST provide additional fire extinguishers behind the stage. Extinguishers must follow IFC 2015 for locations.
- 4) Conduct a fire safety inspection prior to each performance.
- 5) **(Received on 3/26/2026)** - **NFPA 1126 Sec 6.5.1.1:** An applicant for licensing as an operator shall provide evidence of actual experience as an operator or assistant as part of demonstrating competency to the authority having jurisdiction.
- 6) **NFPA 1126 Sec 8.1.1\* Portable Fire-Fighting Equipment.** Four or more fire extinguishers of the classification and size as approved by the authority having jurisdiction shall be readily accessible while the pyrotechnics are being loaded, preparing for firing or fired.

**Novi Public Safety Administration**

45125 Ten Mile Road

Novi, Michigan 48375

248.348.7100

248.347.0590 fax

cityofnovi.org

- 7) **NFPA 1126 Sec 8.1.1.1\*** In all cases, at least two pressurized water, Class 2-A extinguishers and two Class 10-BC extinguishers shall be provided, in addition to those required by NFPA 10, for the building.
- 8) **NFPA 1126 Sec 8.4 Separation Distance for Audiences:**
- Pyrotechnic device fired shall be a minimum of 15' or twice the fallout radius of the device, whichever is greater.
  - Concussion mortars and concussion effects shall be a minimum of 25' separation.
  - Glowing or flaming particles shall be 10' or greater

**Fire Marshal Notes:**

A Fire & Life Safety Checklist will be filled out and on file for each event.

Pyrotechnics Inventory list will be cross-checked with permit application.  
At no time can inventory exceed what is listed on permit application.

**The Fire Marshal will conduct a safety walkthrough with Staff on site at the following Dates/Times:**

**April 23, 2026 @ 6p-7pm (Rehearsal & Safety Check Only)**

**April 24, 2026 @ 7pm (Live Event), fire watch will only be required for first 15 min of live event.**

Sincerely,



Andrew Copeland – Fire Marshal  
City of Novi Fire Department  
cc: file

# MEMORANDUM



**TO:** Melissa Morris, Deputy City Clerk

**FROM:** Charles Boulard, Director of Community Development *CB*

**SUBJECT:** BRIGHTMOOR CHURCH FIREWORKS

**DATE:** 04/13/26

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- Auctions
  - Liquor license
  - Arcade license
  - Massage license
  - Outdoor gathering
  - Outdoor seating
  - Other: Brightmoor Christian Church (40800 Thirteen Mile Rd.) Fireworks Display April 23, 2026 through April 24, 2026, at 7 P.M. each night.

The Building Division does not object to the proposed fireworks show being held at Brightmoor Christian Church on April 23, 2026, through April 24, 2026, provided appropriate fire safety measures are provided. Should you have any further questions with regards to this matter please feel free to contact me at (248) 347-0423.