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: 20 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: Sept. 19 Time of Display: 3:00 pm Length of Display: 10 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): Woman's Conference



Revised May 2025

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

41 - Waterfall - 10 sec X 25'
10 - Gerb - 1/2 sec x 20'

**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 — 7/27/26

APPLICANT'S SIGNATURE — DATE

cityofnovi.org

Receipt: 15525 07/30/26

Page

The sum of: $1,000.00

**BRIGHTMOOR CHRISTIAN CHURCH**

**40800 W THIRTEEN MILE RD**
**NOVI MI 48377**

| | | | |
|---|---|---|---|
| FIREWRK2 | 1 @ $1,000.00 FIREWORKS FEE S | | 1,000.00 |
| | 101-000.00-476.100 | 1,000.00 | |
| | | Total | 1,000.00 |

TENDERED: CHECKS 103178 1,000.00

Signed: _____

# 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. |

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<br>James Herr | ADDRESS OF APPLICANT | AGE OF APPLICANT 18 YEARS OR OLDER<br>☒ YES ☐ 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<br>James Herr | ADDRESS OF PYROTECHNIC OPERATOR | AGE OF PYROTECHNIC OPERATOR 18 YEARS OR OLDER<br>☒ YES ☐ NO |
| NO. YEARS EXPERIENCE<br>14 | NO. DISPLAYS<br>20 | WHERE<br>Brightmoor Christian Church |
| NAME OF ASSISTANT | ADDRESS OF ASSISTANT | AGE OF ASSISTANT 18 YEARS OR OLDER<br>☐ YES ☐ NO |
| NAME OF OTHER ASSISTANT | ADDRESS OF OTHER ASSISTANT | AGE OF OTHER ASSISTANT 18 YEARS OR OLDER<br>☐ YES ☐ NO |

EXACT LOCATION OF PROPOSED DISPLAY
Brightmoor Christian Church Worship Center Platform

| | |
|---|---|
| DATE OF PROPOSED DISPLAY<br>9/19/26 | TIME OF PROPOSED DISPLAY<br>3:00pm |

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)<br>$300,000 | NAME OF BONDING CORPORATION OR INSURANCE COMPANY<br>Shilton & Associates |

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) |
|---|---|
| 41 | Waterfall - 10 sec X 25' |
| 10 | Gerb - 1/2 sec X 20' |
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|---|---|
| SIGNATURE OF APPLICANT<br>Jimi Herr | DATE<br>7/27/26 |

# Application for Fireworks Other Than Consumer or Low Impact

| NUMBER OF FIREWORKS | KIND OF FIREWORKS TO BE DISPLAYED |
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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.

# 2026 Permit for Fireworks Other than Consumer or Low Impact

| | |
|---|---|
| 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. |

***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)

☐ Agricultural / Wildlife Fireworks ☐ Articles Pyrotechnic ☐ Display Fireworks

☐ Public Display ☒ Private Display

☐ Special Effects Manufactured for Outdoor Pest Control or Agricultural Purposes

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

PERMIT(S) EXPIRATION DATE
(ENTER DATE OF EXPIRATION)

NAME OF PERSON PERMIT ISSUED TO: James Herr

AGE (18 YEARS OR OLDER): ☒ YES ☐ NO

ADDRESS OF PERSON PERMIT ISSUED TO:

NAME OF ORGANIZATION, GROUP, FIRM OR CORPORATION: Brightmoor Christian Church

ADDRESS: 40800 W. 13 Mile Road Novi, MI 48377

NUMBER AND TYPES OF FIREWORKS (Please attach additional pages if necessary)

41 - Waterfall - 10 sec X 25'
10 - Gerb - 1/2 sec X 20'

EXACT LOCATION OF DISPLAY OR USE: Main Worship Center Platform

CITY, VILLAGE, TOWNSHIP: Novi

DATE: 9/19/26

TIME: 3:00pm

BOND OR INSURANCE FILED: ☒ YES ☐ NO

AMOUNT: $300,000

Issued by action of the Legislative Body of the

☐ City ☐ Village ☐ 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***

BRIGH-3

OP ID: MB

# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 07/27/2026

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
Shilton & Associates, Inc.
5211 Cascade Rd, SE Ste 230
Grand Rapids, MI 49546
Jared Nathan Shilton
616-956-5300

CONTACT NAME: Jared Nathan Shilton
PHONE (A/C, No, Ext): 616-956-5300
FAX (A/C, No): 616-956-9993
E-MAIL ADDRESS: jared@shiltoninc.com

| INSURER(S) AFFORDING COVERAGE | NAIC # |
|---|---|
| INSURER A : Brotherhood Mutual | 13528 |
| INSURER B : | |
| INSURER C : | |
| INSURER D : | |
| INSURER E : | |
| INSURER F : | |

INSURED
Brightmoor Christian Church
40800 W 13 Mile Rd
Novi, MI 48377-2327

**COVERAGES** **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE | ADDL INSD | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS | |
|---|---|---|---|---|---|---|---|---|
| A | X COMMERCIAL GENERAL LIABILITY | | | | | | EACH OCCURRENCE | $ 1,000,000 |
| | CLAIMS-MADE / X OCCUR | X | | 21MRA0437802 | 09/01/2026 | 09/01/2027 | DAMAGE TO RENTED PREMISES (Ea occurrence) | $ 300,000 |
| | | | | | | | MED EXP (Any one person) | $ 10,000 |
| | | | | | | | PERSONAL & ADV INJURY | $ 1,000,000 |
| | GEN'L AGGREGATE LIMIT APPLIES PER: | | | | | | GENERAL AGGREGATE | $ 3,000,000 |
| | POLICY / PRO-JECT / LOC | | | | | | PRODUCTS - COMP/OP AGG | $ 3,000,000 |
| | OTHER: | | | | | | | $ |
| | AUTOMOBILE LIABILITY | | | | | | COMBINED SINGLE LIMIT (Ea accident) | $ |
| | ANY AUTO | | | | | | BODILY INJURY (Per person) | $ |
| | OWNED AUTOS ONLY / SCHEDULED AUTOS | | | | | | BODILY INJURY (Per accident) | $ |
| | HIRED AUTOS ONLY / NON-OWNED AUTOS ONLY | | | | | | PROPERTY DAMAGE (Per accident) | $ |
| | | | | | | | | $ |
| A | UMBRELLA LIAB / OCCUR | | | | | | EACH OCCURRENCE | $ 6,000,000 |
| | X EXCESS LIAB / CLAIMS-MADE | X | | 21MRA0437802 | 09/01/2026 | 09/01/2027 | AGGREGATE | $ 6,000,000 |
| | DED / RETENTION $ | | | | | | | $ |
| | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY | | | | | | PER STATUTE / OTH-ER | |
| | ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y / N | N / A | | | | | E.L. EACH ACCIDENT | $ |
| | | | | | | | E.L. DISEASE - EA EMPLOYEE | $ |
| | If yes, describe under DESCRIPTION OF OPERATIONS below | | | | | | E.L. DISEASE - POLICY LIMIT | $ |
| A | Sexual Acts Covera | X | | 21MRA0437802 | 09/01/2026 | 09/01/2027 | Occ | 1,000,000 |
| A | Fireworks Display | X | | 21MRA0437802 | 09/01/2026 | 09/01/2027 | Occ | 300,000 |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Certificate Holder is listed as additional insured with regards to the pyrotechnics for the Men's Conference to be held September 17-19, 2026. Coverage for additional insureds is strictly subject to the terms of the policy.

**CERTIFICATE HOLDER**

CITYONO

City of Novi
45175 Ten Mile Road
Novi, MI 48375

**CANCELLATION**

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Jared Shilton



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

# SAFETY DATA SHEET

20th January 2019

## 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

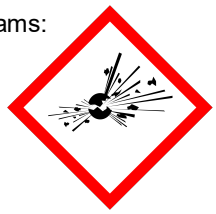
H204: Fire or projection hazard

### 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 accidently 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.
**Requirments 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 – TOXILOGICAL INFORMATION

### 11.1 Information on toxilogical 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 Persistance 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.