Safety Data Sheet

Section 1: Identification

Product Name: Waterfalls, Pyro Smoke, Gerbs

Recommended use: Waterfalls are gerbs that are made to burn upside down. **Pyro Smoke** Non-Sulfur Smoke produces a plume of smoke which can be washed with color from lighting instruments. It can also be used to create effects for appearances, disappearances, and magical sequences**. Gerbs** produce a fountain of sparks in varying colors, Silver or Gold.

Professional Use only by a qualified Pyrotechnician in a TheatricalEntertainment Application or in Professional Training Applications.

Manufacturer/ Supplier: Ultratec Special Effects, Inc. 148 Moon drive
Name and Address: Owens Crossroads, AL 35763
United States
Telephone Number: (256) 725-4224
www.ultratecfx.com

Emergency Telephone Number: 800-255-3924 (813) 248-0585 – Chemical Tel Inc.

Section 2: Hazard Communication Summary

(As defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200)

Classification of substance or mixture:

1.4 H204 Fire or projection hazard.

- **Label elements**
- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard Pictograms:**

Trade name: Fireworks, Division 1.4 Explosive Fireworks, Consumer

WARNING

- Signal word: Warning
- Hazard statement:
- H204 Fire or projection hazard.
- **Precautionary statements:**
  - **P210** Keep away from heat/sparks/open flames/hot surfaces. No smoking.
  - **P250** DO NOT subject to grinding/shock/friction.
  - **P280** Wear protective gloves/ eye protection/ face protection.
  - **P370+P380** In case of fire: Evacuate area.
  - **P374** Fight fire with normal precautions from a reasonable distance.
  - **P401** Store in accordance with local/ regional/ international regulations.
  - **P501** Dispose of contents/container in accordance with local/regional/national/ international regulations.
  - **Other Hazards** There are no other hazards not otherwise classified that have been identified.
  - **Explosive Product Notice:**
    - **WARNING:** All explosives are dangerous and must be carefully handled and used following

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approved safety procedures either by or under the direction of competent, experienced persons in accordance with all applicable federal, state, and local laws, regulations, or ordinance. If you have any questions or doubts as to how to use any explosive product , DO NOT USE IT before consulting with your supervisor, or the manufacturer, if you do not have a supervisor. If your supervisor has any questions or doubts, they should consult the manufacturer before use.

Section 3: Composition/Information on Ingredients

Chemical characterization: Mixtures/ Components:
Components for product possessing only physical hazards do not require reposting. These components are considered trade secret and proprietary information purposes.

Section 4: First Aid Measures

Description of first aid measures:
General Information:
Information is only applicable to product contents, and not to product as normally supplied. This information is applicable to damaged, leaking, or spilled product as contact with contents is possible under these conditions.
After Inhalation: Supply fresh air; consult doctor in case of complications.
After skin contact: Wash with water, in case of minor burns, flush with cool water. If skin irritation is experienced, consult a doctor.
After eye contact: Remove contact lenses if worn, rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After Swallowing: Unlikely route of exposure. Do not induce vomiting; immediately call for medical help.
Most important symptoms and effects, both acute and delayed: Thermal burns, if mishandled.
Danger: No relevant information available.
Indication of any immediate medical attention and special treatment needed:
Product may produce physical injury if mishandled, treatment of these injuries should be based on the clinical presentation**.**

Section 5: Fire-Fighting Measures

Extinguishing Media:
Suitable extinguishing agents:
Flood area with water. If no water is available, carbon dioxide, dry chemical or earth may be used. If the fire reaches the cargo, withdraw, and let fire burn.
For safety reasons unsuitable extinguishing agents: None
Special hazards arising from the substance or mixture:
During heating or in case of fire poisonous gasses are produced. Product may explode if burned in confined space. Individual cartridges may explode. Mass explosion of many cartridges at once is unlikely.
Advice for Firefighters: Wear self-contained respiratory protective device.
Special Fire Fighting Procedures: Do not use suffocation method; device contains its own oxygen. If large quantities are involved, allow them to burn and prevent spread of fire.
Unusual Fire and Explosion Hazards: Items will burn rapidly in the event of ignition, and items may become airborne if not secured or contained.
Additional information: Eliminate all ignition sources if safe to do so. Cool endangered receptacles with water spray. Flammability Classification: (defined by 29 CFR 1910.1200) Explosive. Can explode under fire conditions. Individual devices will randomly explode. Will not mass explode if multiple devices are involved. Burning material may produce toxic and irritating vapors. In unusual cases, shrapnel may be thrown from exploding devices under containment. See 2020 Emergency response Guidebook for further information.

Section 6: Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures:
Wear protective equipment. Keep unprotected persons away. Remove persons from danger area. Ensure adequate ventilation. Isolate area and prevent access.

Environmental precautions: Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Methods and material for containment and cleaning up: Pick up mechanically.

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Send for recovery or disposal in suitable receptacles.

Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

Section 7: Handling and Storage

Handling:
Precautions for safe handling:
Handle with care, avoid jolting, friction, and impact. Keep out of reach of children. Do not alter device or remove from protective package until ready to use. Do not handle until all safety precautions have been read and understood. Do not crush, abrade, or subject these items to shock.
Information about protection against explosions and fire: Keep away from heat/sparks/open flames or hot surfaces. - No Smoking Emergency cooling must be available in case of nearby fire. Use only in well-ventilated areas.
Conditions for safe storage, including any incompatibilities:
Storage: Store in accordance with all state, local, and federal regulations. Store away from flammable substances.
Further Information about storage conditions: Store in cool, dry conditions in well-sealed receptacles.
Specific end use(s): No relevant information available.

Section 8: Exposure Controls / Personal Protection

Exposure Controls:
Personal protective and hygienic measures:
The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuff, beverages, and feed. Wash hands after handling.
Engineering Controls: Provide adequate ventilation.
Breathing Equipment: Not required under normal conditions of use.
Protection of hands: When needed, wear gloves for protection against mechanical hazards.
Eye Protection: Safety Glasses should be worn. Follow relevant national guidelines concerning the use of protective eyewear.
Body Protection: When needed, wear protective clothing for protection against mechanical hazards.
Limitation and supervision of exposure into the environment: No relevant information available.

Section 9: Physical and Chemical Properties

Appearance: Outer shell containing powder, granular, or solid materials. All other properties have not been determined for this product.

Section 10: Stability and Reactivity

Reactivity: No relevant information available.

Chemical stability:

Thermal decomposition/ conditions to be avoided : Risk of explosion if heated under confinement.

Possibility of hazardous reactions: Fire or projection hazard. Toxic fumes may be released if heated above decomposition point. Reacts with strong acids and alkali.

Conditions to avoid: Excessive heat, sources of ignition, sparks, open flames, and incompatible materials.

Incompatible materials: Oxidizers, strong bases, strong acids.

Section 11: Toxicological Information

Hazardous decomposition products: Carbon monoxide, carbon dioxide, Nitrogen oxides, sulfur oxides(Sox)

Information on toxicological effects:

Acute toxicity: LD/LC 50 values that are relevant to classification : None

On the skin: Not a skin irritant in unused form. Vapors/particles from used product are possibly irritating to skin.

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On the eyes: Not an eye irritant in unused form, vapors/particles from used product are possibly irritating to eyes.

Sensitization: Based on the available data, the classification criteria are not met.

Carcinogenic categories:

IARC (International Agency for Research on Cancer) None of the ingredients are listed.

NTP: (National Toxicology Program) None of the ingredients are listed.

OSHA-Ca (Occupational Safety & Health Administration) None of the irritating are listed.

Probable route(s) of exposure: Skin, Eye, Inhalation

Acute effects (acute toxicity, irritation, and corrosivity): Thermal burns, if mishandled

Repeated dose toxicity: From product as supplied NONE
Chronic Effects on Humans: Exposure to finished items does not pose a health hazard. During function, the gases and smoke created may cause respiratory irritation if inhaled in large amounts. Device may causethermal burns if used improperly

Section 12: Ecological Information

Ecotoxicity: Not available.
BOD5 and COD: Not available.
Products of Biodegradation: Not Available
Toxicity of the Products of Biodegradation: Not available.
Special Remarks on the Products of Biodegradation: Not available

Section 13: Disposal Considerations

Waste treatment methods recommendation: Must not be disposed of together with household garbage, do not allow product to reach sewage system. Incinerate in accordance with local, state, federal and local regulations. The user of this material has the responsibility to dispose of unused material, residues, and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous waste. Residual materials should be treated as hazardous.

Section 14: Transport Information

UN-Number 0431,

UN proper shipping name:

DOT, ADR,IMDG, IATA (Fireworks)

DOT Classification: 1.4G

Class Label: 1.4, 1.4G

Packing group: DOT II

Environmental hazards Marine pollutants: No

EMS Number: F-B, S-X
Identification: Articles, Pyrotechnic for technical purposes
Special Provisions for Transport: Not available

Section 15: Other Regulatory Information

Safety, health, and environmental regulations/legislation specific for the substance or mixture: Under **Section 302, 304, 355**, none of the ingredients are listed.

Section 313: Contact Manufacturer.

Section 16: Other Information

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Date of preparation / last revision: 05/12/2022

This information is based on our knowledge; However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

All Pyrotechnics should be used and handled with extreme caution, in accordance with all relevant regulations and codes only by experienced professional Pyrotechnicians.

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