SECTION 1: Identification of the Substance/Mixture and of the Company/undertaking Product Identifier


Details of the supplier of the safety data sheet:
Fireaway Inc., 5852 Baker Road, Minnetonka, MN, 55345, USA
Telephone +1 (952) 935-9745, Fax +1 (952) 935-9757
Email address of the competent person: technical@statx.com

For information only, call 1-952-935-9745.
For emergencies, call
INFOTRAC
USA & CANADA: +1-800-535-5053
INTERNATIONAL: +1-352-323-3500 (collect)

Only Representative Contact:
Blue Frog Scientific Limited, Quantum House,
91 George Street, Edinburgh, EH2 3ES
+44 (0) 131 523 1412

SECTION 2: Hazards Identification
Possible exposure to aerosol suppression agent if generator is activated. May cause temporary, mild irritation of mucous membranes if inhaled. US EPA listed under US EPA SNAP List for use as a total flooding fire suppression agent in normally occupied spaces.

2.1 Classification
OSHA Regulatory Status
All 3 chemicals listed below are not stored as raw loose powder but homogenously blended and pressed into a single solid aerosol forming compound pellet. Exposure to raw dust from the pellet is very limited which may contain any of the 3 chemicals listed in Section 3.
Potassium nitrate: Oxidizer solid
Dicyandiamide: Not a hazardous substance or mixture
Phenolic resin: This chemical is considered hazardous under 29 CFR 1910.1200 (Hazard Communication)

2.2 Label Elements
Signal Word
WARNING

Hazard pictogram(s)
Hazard statement(s)

<table>
<thead>
<tr>
<th>Hazard statement(s)</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>H272 Oxidizer</td>
<td>Oxidizer, Category 3</td>
</tr>
<tr>
<td>H315 Causes skin irritation</td>
<td>Skin Damage/Irritation, Category 2</td>
</tr>
<tr>
<td>H319 Causes eye irritation</td>
<td>Eye Damage/Irritation, Category 2B</td>
</tr>
<tr>
<td>H335 May cause respiratory irritation</td>
<td>Specific Target Organ Toxicity (Single Exposure), Category 3 (Respiratory Tract irritation)</td>
</tr>
</tbody>
</table>

Precautionary statement(s) Prevention

<table>
<thead>
<tr>
<th>Precautionary statement(s) Prevention</th>
</tr>
</thead>
<tbody>
<tr>
<td>P210 Keep away from heat/sparks/open flames/hot surfaces – No smoking</td>
</tr>
<tr>
<td>P220 Keep/store away from clothing/organic material/combustible materials</td>
</tr>
<tr>
<td>P261 Avoid breathing dust/fumes</td>
</tr>
<tr>
<td>P264 Wash face, hands and any exposed skin thoroughly after handling</td>
</tr>
<tr>
<td>P272 Contaminated clothing should not be allowed out of the workplace unless well rinsed with water</td>
</tr>
<tr>
<td>P280 Wear protective gloves/protective clothing/eye protection/face protection</td>
</tr>
</tbody>
</table>

Precautionary statement(s) Response

<table>
<thead>
<tr>
<th>Precautionary statement(s) Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>P303 IF ON SKIN Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.</td>
</tr>
<tr>
<td>P305 IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rising. If eye irritation persists: Get medical advice/attention.</td>
</tr>
<tr>
<td>P306 IF ON CLOTHING Dispose of contaminated clothing and gloves after use in accordance with applicable laws and good industrial hygiene practices.</td>
</tr>
</tbody>
</table>

Precautionary statement(s) Storage

P411 Store at temperatures not exceeding 65°C/149°F

Precautionary statement(s) Disposal

P501 Dispose of contents/container to an approved waste disposal plant

2.3 Hazards Not Otherwise Classified (HNOC)

Not applicable.

SECTION 3: Composition/Information on Ingredients

Hazardous components: Does not contain dangerous materials as defined by ordinance on hazardous materials.

<table>
<thead>
<tr>
<th>Components – Chemical (Hazardous Components ≥ 1%)</th>
<th>CAS#</th>
<th>Weight %</th>
<th>COMMENTS:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium Nitrate ECHA Registration no. 01-2119488224-35-0066</td>
<td>7757-79-1</td>
<td>75.0</td>
<td>Components are blended and pressed into a highly stable, molded form. Molded composition is contained within a sealed double-walled stainless steel housing – no environmental exposure. Upon generator unit activation these chemical elements are not discharged from the unit but are fully consumed by an internal chemical reaction.</td>
</tr>
<tr>
<td>DCDA (Cyanoguanidine) ECHA Registration no. 01-2119474914-28-0020</td>
<td>461-58-5</td>
<td>16.5</td>
<td></td>
</tr>
<tr>
<td>Organic Resin</td>
<td>9003-35-4</td>
<td>8.5</td>
<td></td>
</tr>
</tbody>
</table>
SECTION 10: Stability and Reactivity

These devices are extremely stable below 125°C. They are packaged to protect the articles from electrical power and shock. As with any stored products, stored packaging should be protected from fire and high temperatures.

SECTION 11: Toxicological Information

Toxic by-products of combustion are extremely low. Main by-products are listed below with 15-minute TWA values for a maximum 100g/m^3 concentration in a hermetically sealed volume.

<table>
<thead>
<tr>
<th>Gas</th>
<th>15 minute Time Weighted Average in parts per million</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO2</td>
<td>1.08</td>
</tr>
<tr>
<td>NO</td>
<td>0.97</td>
</tr>
<tr>
<td>CO</td>
<td>84.20</td>
</tr>
</tbody>
</table>

SECTION 12: Ecological Information
These devices are sealed and present no ecological hazards. The aerosol produced upon ignition has very low global warming potential and an ozone depletion potential = 0.

**SECTION 13: Disposal Considerations**

Comply with all local, state, and federal/international regulations.

**SECTION 14: Transport Information**

Hazard pictogram(s)

![Safety Device]

| UN Number and Proper Ship Name: UN3268 Safety Devices 9 DOT-SP 20600 | Authorized Modes of Transport: Motor Vehicle, Rail, Cargo Vessel, Cargo Aircraft Only |
| UN Classification: Class 9, Safety Devices US DOT PHMSA Special Permit DOT-SP 20600 (SIXTH REVISION), dated March 07, 2023¹ | Shipping Limitations: Cargo Aircraft: Max single packaging – 100 kg. |
| UN Number and Proper Ship Name: UN3268 Safety Devices 9 D/BAM-1857/19 | Authorized Modes of Transport: Motor Vehicle, Rail, Cargo Vessel, Cargo and Passenger aircraft |


**SECTION 15: Regulatory Information**

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

**EU regulations**

Phenolic Resin:
Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I, as amended:
Not listed.
Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II, as amended:
Not listed.

Not listed.
Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended:
Not listed.
Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended:
Not listed.
Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as Amended:
Not listed.
Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V as amended
Not listed.
Not listed.
Regulation (EC) No. 1907/2006, REACH Article 59(1) Candidate List as currently published by ECHA
Not listed.

Authorizations

Regulation (EC) No. 143/2011 Annex XIV Substances Subject to Authorization:
Not listed.
Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended:
FORMALDEHYDE (CAS 50-00-0):

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended
FORMALDEHYDE (CAS 50-00-0)
Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended:
FORMALDEHYDE (CAS 50-00-0)
Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding, as amended:
FORMALDEHYDE (CAS 50-00-0)

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances:
FORMALDEHYDE (CAS 50-00-0)
Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work, as amended:

FORMALDEHYDE (CAS 50-00-0)

Directive 94/33/EC on the protection of young people at work, as amended
FORMALDEHYDE (CAS 50-00-0)

Other regulations

The product is classified and labeled in accordance with EC directives or respective national laws.

National regulations

This preparation is not classified as dangerous according to European Union legislation. Young people under 18 years old are not allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work. Follow national regulation for work with chemical agents.

U.S. INFORMATION

Potassium Nitrate:
TSCA 8(b) inventory: Potassium Nitrate
CALIFORNIA PROPOSITION 65: Potassium Nitrate (CAS 7757-79-1) is not listed.
Clean Water Act (CWA): No product found

Phenolic Resin:
CALIFORNIA PROPOSITION 65: Formaldehyde (CAS 50-00-0) is listed.
Clean Water Act (CWA): Hazardous substance

SECTION 16: Other Information

Comply with manufacturer’s installation and maintenance procedures.

Disclaimer: The information contained herein is accurate to the best knowledge and belief of Fireaway Inc., and is intended to describe the product for health, safety, and environmental requirements only. It is not intended and should not be construed as a warranty. Consult Fireaway for further information.