Stat-X® Condensed Aerosol Generators - Models 30 to 2500.

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: info@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
Phonolic resin: This chemical is considered hazardous under 29 CFR 1910.1200 (Hazard Communication)

2.2 Label Elements
Signal Word
WARNING

Hazard Statements
Potassium nitrate dust:
May intensity fire; oxidizer (H272)
Dicyandiamide dust: Not a hazardous substance or mixture
Phenolic Resin dust:
Causes skin irritation (H315)
Causes eye irritation (H319)
May cause respiratory irritation (H335)

Precautionary Statements
Potassium nitrate: Keep/store away from clothing/combustible materials

Prevention
Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing particles/dust/gas. Handle in accordance with good industrial hygiene and safety practice. Keep away from heat.

Response
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.
IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
IF ON CLOTHING: Dispose of contaminated clothing and gloves after use in accordance with applicable laws and good industrial hygiene practices. Contaminated clothing should not be allowed out of the workplace unless well rinsed with water.

Disposal
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</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>ECHA Registration no. 01-2119488224-35-0066</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DCDA</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>
<tr>
<td>Appearance &amp; Odor:</td>
<td></td>
<td></td>
<td>Beige to white in color. No odor</td>
</tr>
<tr>
<td>Auto-Ignition Temperature:</td>
<td></td>
<td></td>
<td>300°C</td>
</tr>
<tr>
<td>Solubility in Water:</td>
<td></td>
<td></td>
<td>Slightly Soluble</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

<table>
<thead>
<tr>
<th>Contact Method:</th>
<th>Procedure:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>Remove to fresh air</td>
</tr>
<tr>
<td>Eye Contact</td>
<td>Flush with water</td>
</tr>
<tr>
<td>Skin Contact</td>
<td>Wash with soap and water.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Not a likely route of exposure.</td>
</tr>
<tr>
<td><strong>Seek medical attention for further treatment, observation, and support if necessary.</strong></td>
<td></td>
</tr>
</tbody>
</table>
SECTION 5: Firefighting Measures

In the event of a fire, evacuate the area and inform emergency services. Ignition of Stat-X produces a fire-suppression aerosol. Water may be used as an additional suppression agent.

SECTION 6: Accidental Release Measures

If these devices are spilled they can be safely recovered by hand and should be inspected for damage prior to repacking. Suspect or damaged articles should be labeled and consigned for correct destruction.

SECTION 7: Handling and Storage

Store in temperate conditions. Avoid shock, electric currents, static discharge, excessive heat and extended periods of storage at temperatures greater than 65°C.

SECTION 8: Exposure Controls/Personal Protection

<table>
<thead>
<tr>
<th>Protection</th>
<th>Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Respiratory</td>
<td>Ventilate area completely after discharge. Do not enter area prior to complete venting of enclosure. Use filter mask as necessary during clean-up.</td>
</tr>
<tr>
<td>Hand Protection</td>
<td>Wear gloves if handling generators prior to cooling.</td>
</tr>
<tr>
<td>Eye Protection</td>
<td>Safety glasses are advisable.</td>
</tr>
<tr>
<td>Skin Protection</td>
<td>N/A</td>
</tr>
</tbody>
</table>

SECTION 9: Physical and Chemical Properties

Appearance: Stainless Steel Cylinder up to 270 mm in length

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/m³ 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

<table>
<thead>
<tr>
<th>UN Number: 0432</th>
<th>Authorized Modes of Transport: Motor Vehicle, Rail, Cargo Vessel, Cargo and Passenger Air</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN Classification: Class 1.4S Articles Pyrotechnic for Technical Purposes</td>
<td>Shipping Limitations: Cargo Aircraft: Max single packaging – 100 kg. Passenger Aircraft: Max single packaging – 25 kg.</td>
</tr>
</tbody>
</table>

SECTION 15: Regulatory Information

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

EU regulations

**Phenolic Resin:**


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 3 as Amended: Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V as amended Not listed.


Regulation (EC) No. 1907/2006, REACH Article 59(1) Candidate List as currently published by ECHA Not listed.

**Authorizations**


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 labelled 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.