SAFETY DATA SHEET

STAT-X CONDENSED AEROSOL GENERATORS - MODELS 30 TO 2500.

Infosafe No.: LQ8L9
ISSUED Date : 15/02/2018
ISSUED by: KIDDE AUSTRALIA

1. IDENTIFICATION

GHS Product Identifier
STAT-X CONDENSED AEROSOL GENERATORS - MODELS 30 TO 2500.

Company Name
KIDDE AUSTRALIA

Address
Unit 3
Ground Floor
10 Ferntree Place Notting Hill
VIC 3168 Australia

Telephone/Fax Number
Tel: (03) 9518 5588

Emergency phone number
1800 672 171

Recommended use of the chemical and restrictions on use
Extinguishing Fires (a total flooding fire suppression agent in normally occupied spaces.)

2. HAZARD IDENTIFICATION

GHS classification of the substance/mixture
Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.
Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Other Information
Possible exposure to aerosol suppression agent if generator is activated. May cause temporary, mild irritation of mucous membranes if inhaled.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Composition, information on ingredients
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.

Ingredients

Name	CAS	Proportion
Potassium nitrate	7757-79-1	75 %
Guanidine, cyano-	461-58-5	16.5 %
Phenol, reaction products with formaldehyde	9003-35-4	8.5 %
Ingredients determined not to be hazardous		Balance

4. FIRST-AID MEASURES

Inhalation
Possible exposure to aerosol suppression agent if generator is activated. If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.

Ingestion
Unlikely due to form of product. However, if contents ingested, do not induce vomiting. Wash out mouth thoroughly with water. If symptoms develop seek medical attention.

Skin
Unlikely due to form of product. If exposure to contents occurs, wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.

Eye contact
Unlikely due to form of product. If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and/or persist seek medical attention.

First Aid Facilities
Eyewash and normal washroom facilities.

Advice to Doctor
Treat symptomatically.

Other Information
For advice, contact a Poisons Information Centre (Phone eg Australia 131 126).

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Product is an extinguishing media. Use appropriate fire extinguisher for surrounding environment. Ignition of Stat-X produces a fire-suppression aerosol. Water may be used as an additional suppression agent.

Hazards from Combustion Products
Under fire conditions this product may emit toxic and/or irritating fumes and gases including carbon dioxide, carbon monoxide and oxides of nitrogen.

Specific Hazards Arising From The Chemical
Ignition produces a fire-suppression aerosol. Water may be used as an additional suppression agent.

Hazchem Code
2Z

Decomposition Temperature
Not available

Precautions in connection with Fire
Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) and full protective clothing to prevent exposure to vapours, fumes or products of combustion. Water spray may be used to cool down heat-exposed containers.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures
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. Wear appropriate personal protective equipment and clothing to prevent exposure. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling
Avoid sparks, shock, electrostatic discharges, heat and open flame. Ventilate area completely after discharge. Do not enter area prior to complete venting of enclosure. Wear appropriate protective equipment to prevent inhalation, skin and eye contact. Ensure a high level of personal hygiene is maintained when using this product. That is; always wash hands before eating, drinking, smoking or using the toilet.

Conditions for safe storage, including any incompatibilities
Store in temperate conditions and a dry, well-ventilated area, out of direct sunlight and moisture.
Avoid shock, electric currents, static discharge, excessive heat and extended periods of storage at temperatures greater than 65°C.
Ensure that storage conditions comply with applicable local and national regulations.

Storage Temperatures
Avoid extended periods of storage at temperatures greater than 65°C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limit values
No exposure value assigned for this material. However, the available exposure limits for by-products are listed below:

Carbon monoxide
TWA : 30ppm, 34mg/m³

Nitrogen dioxide
TWA : 3ppm, 5.6mg/m³
STEL : 5ppm, 9.4mg/m³

Nitrogen monoxide
TWA : 25ppm , 31mg/m³

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.
STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.
Source: Safe Work Australia

Biological Limit Values
No biological limit available.

Appropriate Engineering Controls
Not required under normal conditions of use. Use approved engineering controls if exposure to gases is likely.

Respiratory Protection
Ventilate area completely after discharge. Do not enter area prior to complete venting of enclosure. Use filter mask as necessary during clean-up. Reference should be made to Australian Standards AS/NZS 1715 (2009), Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716 (2012), Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

Eye Protection
Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 2 & 6 (2012) - Eye Protectors for Industrial Applications.

Hand Protection
Gloves of impervious heat resistant material is recommended if handling hot product. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1 (2016): Occupational protective gloves - Selection, use and maintenance.

Body Protection
Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Description	Properties	Description
Form	Article	**Appearance**	Steel Cylinder up to 270 mm in length. The cylinder contains the pressed moulded composition.
Colour	Beige to white (moulded composition)	**Odour**	Odourless
Decomposition Temperature	Not available	**Melting Point**	Not available
Boiling Point	Not available	**Solubility in Water**	Slightly soluble (moulded composition)
Specific Gravity	Not available	**pH**	Not available
Vapour Pressure	Not available	**Vapour Density (Air=1)**	Not available
Evaporation Rate	Not available	**Odour Threshold**	Not available
Viscosity	Not available	**Partition Coefficient: n-octanol/water**	Not available
Flash Point	Not available	**Flammability**	Not flammable
Auto-Ignition Temperature	300°C	**Explosion Limit - Upper**	Not available
Explosion Limit - Lower	Not available		

10. STABILITY AND REACTIVITY

Reactivity
Not available

Chemical Stability
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.

Conditions to Avoid
Fire, sources of electrical power, static discharge, shock, and high temperatures.

Incompatible materials
Not available

Hazardous Decomposition Products
Thermal decomposition may result in the release of toxic and/or irritating fumes and gases including carbon dioxide, carbon monoxide, and oxides of nitrogen.

Possibility of hazardous reactions
Not available

Hazardous Polymerization
Not available

11. TOXICOLOGICAL INFORMATION

Toxicology Information
No toxicity data available for this product. See Toxic by-products of combustion in Section 8.

Ingestion
Unlikely due to form of product. However if ingested, ingestion of material may irritate the gastric tract causing nausea and vomiting.

Inhalation
None expected, when used as intended. However, exposure to aerosol suppression agent if generator is activated, may cause temporary, mild irritation of mucous membrane if inhaled.

Skin
Unlikely due to form of product. However, if damaged, skin contact with material may cause redness, itching and irritation.

Eye
Unlikely due to form of product. However, if damaged, eye contact with material may cause irritation, tearing, stinging, blurred vision, and redness.

Respiratory sensitisation
Not expected to be a respiratory sensitiser.

Skin Sensitisation
Not expected to be a skin sensitiser.

Germ cell mutagenicity
Not considered to be a mutagenic hazard.

Carcinogenicity
Not considered to be a carcinogenic hazard.

Reproductive Toxicity
Not considered to be toxic to reproduction.

STOT-single exposure
Not expected to cause toxicity to a specific target organ.

STOT-repeated exposure
Not expected to cause toxicity to a specific target organ.

Aspiration Hazard
Not expected to be an aspiration hazard.

12. ECOLOGICAL INFORMATION

Ecotoxicity
These devices are sealed and present no ecological hazards. The aerosol produced upon ignition has no global warming potential or ozone depletion potential.

Persistence and degradability
Not available

Mobility
Not available

Bioaccumulative Potential
Not available

Other Adverse Effects
Not available

Environmental Protection
Prevent this material entering waterways, drains and sewers.

13. DISPOSAL CONSIDERATIONS

Disposal considerations
Dispose of waste according to applicable local and national regulations.

14. TRANSPORT INFORMATION

Transport Information
Air Transport (ICAO/IATA):
Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

Division: 1.4S
UN-No: 0432
Proper Shipping Name: ARTICLES, PYROTECHNIC for technical purposes
Packaging Instructions (cargo only): 135
Packaging Instructions (passenger & cargo): 135
Special provision: A802
Hazard label: Explosive 1.4

Marine Transport (IMO/IMDG):
Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.
Class/Division: 9
UN No: 3268
Proper Shipping Name: SAFETY DEVICES
Packing Group: -
EMS: F-B, S-X
Special Provisions: 280, 289

Road and Rail Transport:
This material is classified as Dangerous Goods Class 9 Miscellaneous Dangerous Goods
Class 9: Miscellaneous substances Dangerous Goods are incompatible in a placard load with any of the following:
Class 1: Explosives (when the class 9 substance is a fire risk substance) Division 5.1: Oxidising substances (when the class 9 substance is a fire risk substance) and
Division 5.2: Organic peroxides (when the class 9 substance is a fire risk substance)

Note: Special Provision AU01:
Environmentally Hazardous Substances meeting the descriptions of UN 3077 or UN 3082 are not subject to this Code when transported by road or rail in:
packagings that do not incorporate a receptacle exceeding 500 kg(L); or
IBCs

U.N. Number
3268

UN proper shipping name
SAFETY DEVICES

Transport hazard class(es)
9

Hazchem Code
2Z

IERG Number
47

IMDG Marine pollutant
No

Transport in Bulk
Not available

Special Precautions for User
Not available

15. REGULATORY INFORMATION

Regulatory information
Not classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.
Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP). (Exempted)

Poisons Schedule
Not Scheduled

16. OTHER INFORMATION

Date of preparation or last revision of SDS
SDS Reviewed:February 2018 Supersedes: December 2017

References
Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.
Standard for the Uniform Scheduling of Medicines and Poisons.
Australian Code for the Transport of Dangerous Goods by Road & Rail.
Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
Workplace exposure standards for airborne contaminants, Safe work Australia.
American Conference of Industrial Hygienists (ACGIH).
Globally Harmonised System of classification and labelling of chemicals.

END OF SDS

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