1. THE NAME OF THE PRODUCT AND COMPANY INFORMATION

TRADE NAME: DATAAX
USE: SMOKE FOR AIRFLOW STUDIES, LEAKAGE TEST.
IMPORTER: FIRE SYSTEM SERVICES
ADDRESS: PO Box 16, PROSPECT SA 5082
PHONE NUMBER: 1300 88 3473
FAX NUMBER: 08 8445 6333
E-MAIL: firesys@bigpond.com
ISSUED BY: TORBJÖRN FREDRIKZON

2. COMPOSITION INFORMATION

MATERIAL: Potassium Chlorate
EG-No: 223-289-7
CAS-No: 3811-04-9
Content %: 22
Symbols: Xn, O
R-phrases: R9-20/22

3. HAZARDS INFORMATION

Cartridge in solid form:
Harmful and Oxidising
Special risks:
Explosive when mixed with combustible material, Harmful by inhalation and if swallowed.
Generated smoke:
Inhalation: Prolonged exposure or misuse can cause irritation.
Eyes: Prolonged exposure or misuse can cause irritation.

4. FIRST AID MEASURES

Cartridge in solid form:
General recommendation.
Bring this safety data sheet when seeking medical advise.
Ingestion:
Not applicable.
Skin contact:
Not applicable at normal use.
If product has broken and skin has been contaminated wash with soap and water.
Eyes:
Not applicable at normal use.
If product has broken and eyes has been contaminated rinse
immediately with plenty of water and seek medical advice.

**If swallowed:**
If parts or complete product has been swallowed give milk or water, do not induce vomiting, seek medical advise.

**Smoke:**
**General recommendation.**
Bring this safety data sheet when seeking medical advise.

**Ingestion:**
Fresh air, at remaining problems seek medical advise.

**Skin contact:**
Wash with soap and water.

**Eyes:**
At remaining irritation rinse eyes with water for 5 minutes.

5. FIRE FIGHTING MEASURES

**Suitable fire fighting media:**
Water.

**Safety Equipment for fire fighters:**
Normal protection equipment.

**Unusual Fire Hazards:**
None specific.

6. ACCIDENTAL RELEASE MEASURES

**Personal:**
None specific.

**Environmentally:**
Unused product may not be released in drainage or natural water systems.

**Contamination cleanup:**
Collect separately, and keep dry, see section 13.

7. HANDLING AND STORAGE

**Storage precautions:**
Keep away from food, drink and animal feedingstuffs.

**Storage:**
Store dry and keep away from sources of ignition.

**Recommendation for safety handling:**
In general normal handling of pyrotechnic products, always make sure to place product on a
Non inflammable base, dispose completely burned product with due care and attention.
## 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

**Breathing Protection:**
At improper ventilation use a particle filter mask class P2.
All kinds of generated smoke consists of solid or liquid particles, why it is recommended to use a particle mask at longer participation in smoke filled rooms.

**Hygienic levels, particles / m³ in surrounding air:**
See national exposure limits.

**Hygiene:**
Wash hands before eating.

## 9. PHYSICAL AND CHEMICAL QUALITIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>PP-sheath with hard pressed powder.</td>
</tr>
<tr>
<td>Colour</td>
<td>Green</td>
</tr>
<tr>
<td>Smell</td>
<td>Minimal</td>
</tr>
<tr>
<td>Ignition point</td>
<td>over 200 C°</td>
</tr>
</tbody>
</table>

## 10. STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cartridge</td>
<td>Stable at recommended storage.</td>
</tr>
<tr>
<td>Smoke</td>
<td>Stable in normal conditions.</td>
</tr>
</tbody>
</table>

## 11. TOXICOLOGICAL INFORMATION

**General information:**
The complete product has not been toxicological tested.
No personal hazard is anticipated provided that the product is handled and used with due care and attention.

**Ingoing hazardous chemicals:**
Following apply for ingoing hazardous chemicals in pure and concentrated form.
- Potassium Chlorate:
  - LD50 Oral rat: 1870mg/kg bodyweight. Dermal ,rabbit LD0 >2000 mg/kg.

## 12. ECO-TOXICOLOGICAL INFORMATION

**General information:**
The complete product has not been eco-toxicological tested.
No environmental hazard is anticipated provided that the product is handled and disposed of with due care and attention.

**Ingoing hazardous chemicals:**
Following apply for ingoing hazardous chemicals in pure and concentrated form.

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*For all Sales, Service & Maintenance of Fire Safety Equipment*
*Call 1300 88 3473*
Potassium Chlorate:
LC50 Fish 96h: 1750mg/1000ml, Oncorhynchus mykiss. EC50 Daphnia 48h: 599 mg/1000ml, D.Magna. IC50 Algae 72h: 0,077 mg/1000ml. ( R 53. Source N-CLASS Database )

13. DISPOSAL CONSIDERATIONS

Used product:
Residue after complete combustion may be disposed with household waste, always make sure that product is completely turned out.

Unused or broken products:
Europe: Shall be disposed acc. to EWC-cod 16 03 04

14. TRANSPORT INFORMATION

Product is not classified as dangerous goods acc. to: ADR / RID / IMO / DGD.
For USA: Reference Number EX-0009108.
Tests is performed according to:
UN- Recommendations Transport Of Dangerous Goods, Model Regulations,
UN- Recommendations Transport Of Dangerous Goods Test and Criteria.

15. REGULATORY INFORMATION

Symbols:

R and S-Phrases is only complying for ingoing ingredients in the product and not for generated smoke, gas analysis on request, product contain potassium chlorate.

R-Phrases:
R9 – Explosive when mixed with combustible material
R20/22 – Harmful by inhalation and if swallowed.

S-Phrases:
S13 – Keep away from food, drink and animal feedingstuffs.
S25 – Avoid contact with eyes.
S26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S38 – In case of insufficient ventilation wear suitable respiratory equipment.

16. OTHER INFORMATION
information is complete. It is therefore in the users own interest to clarify if the information is enough for the purpose for which the product shall be used.

Sources:
National Chemicals Inspectorate.
N-CLASS Database on environmental hazard classification.
Swedish Rescue Services Agency.
Team Safepac.
UN- Recommendations Transport Of Dangerous Goods Test and Criteria.
UN- Recommendations Transport Of Dangerous Goods, Model Regulations,