



ABBIRKO (UK) LTD

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SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE /PREPARATION AND COMPANY

NAME SMOKE MATCHES SDS no ABB1004

Supplied by:

Abbirko (UK) Ltd

Unit 4, Manor Park Ind Est
Station Road
Totton
Southampton
SO45 5AU

Tel: 023 8066 8833

Fax: 023 8066 7777

2. COMPOSITION / INFORMATION ON INGREDIENTS

“ The smoke matches are a preparation and have been classified as such. The individual chemical components carry certain risk phrases which have been included on the Safety Data sheet for your information. Correctly used, the smoke from this product is non toxic”

Ingredients	CAS No.	EEC No.	Symbols	Risk Phrases	Content
Potassium Chlorate	3811-01-9	223-289-7	O,Xn	R9-20/22	36%
Ammonium Chloride	12125-02-9	235-186-4	Xn,Xi	R22-36	26%

3. HAZARDS IDENTIFICATION

Match in solid form: Harmful & Oxidising

Special Risks: Explosive when mixed with combustible material, harmful by inhalation and if swallowed.

Smoke generated

Inhalation: Prolonged exposure or misuse can cause irritation.

Eyes Prolonged exposure or misuse can cause irritation.

4. FIRST AID MEASURES

Match in solid form

General recommendations:

Bring this safety data sheet when seeking medical advice.

Ingestion:

Not applicable

Skin contact:

Not applicable

Eyes:

Not applicable for normal use

If product has broken up and eyes have 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 advice.

Smoke generated

General recommendations:

Bring this safety data sheet when seeking medical advice.

Ingestion:

Fresh air: Should problems persist seek medical advice.

Skin contact:

Wash with soap & water.

Eyes:

Should irritation occur rinse eyes with water for 5 minutes.

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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 clean-up: Collect separately ,and keep dry, see section 12.

7. HANDLING AND STORAGE

Storage precautions: Keep away from food, drink, and animal feeding stuffs.

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

Recommendation for safety handling: In general normal of pyrotechnic products, if placed on a surface always make sure to place product on a non-inflammable base, dispose of burned product completely with due care and attention.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Breathing Protection:

Use a particle filter mask class P2 should protection be required from smoke spillage. All kinds of generated smoke consists of solid or liquid particles it is therefore recommended that a particle mask is used during periods of long exposure in smoke filled rooms.

Hygienic levels, particles 1 metre squared in surrounding air:

See national exposure limits.

Hygiene:

Wash hands before eating.

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance: Dipped smoke compound on wood splint.

Colour: White

Smell : Minimal

Ignition point: over 200 dig C

10. STABILITY AND REACTIVITY

Smoke match: Stable at recommended storage.

Smoke : Stable in normal conditions.

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.

Ignoring hazardous chemicals

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

Potassium Chlorate: LD50 Oral rat: 1870mg/kg bodyweight. Dermal, rabbit

LDO.2000 mg/kg.

Ammonium Chloride: LD50 Oral rat: 1400mg/kg bodyweight.

12. ECO-TOXICOLOGICAL INFORMATION**General Information:**

The complete product has not been eco-toxicological tested.

No environment 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 pur and concentrated form.

Potassium Chlorate:

LC50 Fish 96h: 1750mg/1000ml, Oncorhynchus mykiss, EC50 Daphnia 48h: 599mg/1000ml, /D.Magna IC50.

Algae 72h: 0,077 mg/1000ml. (R53.Source N-CLASS Database)

Ammonium Chloride:

LC50 Fish 96h: 0,21 mg/1000ml. EC50 Daphnia 48h:0,96mg/1000ml.IC50 Algae 72h: 0,025mg/1000ml.

13. DISPOSAL CONSIDERATIONS**Used product:**

Residue from product after complete combustion may be disposed with household waste. Always ensure that product has finished burning.

Unused or broken products:

National : Shall be disposed acc. to: SFS 2001: 1063. EXC-cod 16 03 04

Europe: Shall be disposed acc. to EXC-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 performed according to:

UN-Recommendations Transport of Dangerous Goods, Model Regulations,

UN-Recommendations Transport of Dangerous Goods Test & Criteria.

15. REGULATORY INFORMATION

R and S-Phrases is only for compliance for product ingredients and does not apply to the generated smoke.

Gas analysis is available on request.

Product contains potassium chlorate and ammonium chloride.

R-Phrases:

R9-Explosive when mixed with combustible material

R20/22 - Harmful by inhalation and if swallowed.

R22-Harmful if swallowed.

R36-Irritating to eyes.

S-Phrases

S13- Keep away from food, drink and animal feedingstuff.

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 sufficient ventilation wear suitable respiratory equipment. Page 3 of 4

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16. OTHER INFORMATION

For further technical & safety information contact:-

Abbirko(UK) Ltd, Unit 4, Manor Park Ind.Est., Station Road, Totton, Southampton
SO45 5AU.

Disclaimer:

The information provided in this Health & Safety Data Sheet is considered correct at the time of writing but no insurance can be given that this information is complete. It is therefore in the users own interest to clarify that the information provided is sufficient for the purposes for which the product shall be used.

Sources: National chemical Inspectorate, N-CLASS Database on environmental hazard classification, Swedish Rescue Services Agency, Swedish Defence Research agency, export No: FOAtox 5004, Team safepac, UN-Recommendations Transport of Dangerous Goods Test & Criteria, UN-Recommendations Transport of Dangerous Goods, Model Regulations.

Date of publication : January 1997

Updated June 2003