



MATERIAL SAFETY DATA SHEET COLOURED SMOKE PELLETT

ISSUE DATE: 12.13

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY

Product name Coloured Smoke Pellet
Product No. PH001C - Box of 6, PH025C - Box of 10
Address/Phone No. Nina Works, Gelderd Road, Leeds LS12 6NA
Tel.+44(0)113 213 4294, Fax +44(0)80113 213 4280
sales@arctic-products.co.uk

2. HAZARDS IDENTIFICATION

Harmful if swallowed. Toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment. Ignites readily. Product burns without a flame to give a dense coloured smoke.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characteristic: Formulation type Smoke Pellet
Use For the marking of airflows.
Potassium chlorate EC-No.: 223-289-7

CAS No.	Hazardous ingredients	Concentration	Hazard symbols	Risk phrases (R)
3811-04-9	Potassium chlorate [Classification according to Directive 67/548/	10 -20% w/w	O; Xn; N	9, 20/22, 51/53

4. FIRST AID MEASURES

General advice: Remove contaminated clothing immediately and dispose of safely.

Eye contact: Immediately irrigate with clean water, holding the eyelids apart, for at least 15 minutes. Obtain immediate medical attention.
Skin contact: Take off immediately all contaminated clothing. Wash skin immediately with water, followed by soap and water. Such action is essential to minimise contact with skin. Contaminated clothing should be laundered before re-issue. When symptoms persist or in all cases of doubt seek medical advice.
Inhalation: Remove patient from exposure, keep warm and at rest. Obtain medical attention as a precaution.
Ingestion: If swallowed wash out mouth with water, seek medical advice immediately and show the container, label or this Data Sheet, if possible. Do not induce vomiting.

5. FIRE-FIGHTING MEASURES

Flammable. Ignites readily. Oxidising agent; may assist combustion. Keep fire exposed containers cool by spraying with water.
Extinguishing media: For small fires, use foam, carbon dioxide or dry powder extinguishant. For large fires, use foam or water-fog; avoid use of water jet. Contain run-off water with, for example, temporary earth barriers.
Protective Equipment: A self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Ensure suitable personal protection during removal of spillages. This means wearing a facemask that gives protection against toxic dusts, eye protection, chemically resistant gloves (e.g. 0.6 mm nitrile), boots and coveralls. See also Section 8.
Clean up methods: Cover spillage with moist sand or soil. Transfer to a container for disposal. Wash the spillage area with water. Washings must be prevented from entering surface water drains.
Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

7. HANDLING AND STORAGE

Handling: Read the label before use. Do not breathe smoke. Avoid contact with skin and eyes. When using do not eat, drink or smoke. Wash face and hands before eating, drinking or smoking.
Storage: Keep in original containers, tightly closed, out of reach of children. Keep away from food, drink and animal feeding stuffs. Protect from frost.
Storage Life: Physically and chemically stable for at least 2 years when stored in the original unopened sales container at ambient temperatures.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Controls: Occupational exposure limits; Hazardous ingredients; Not applicable to field use Smoking Agent MANUFACTURERS Standard, 8 hr TWA, 10 mg/m³. Not applicable to field use.
Personal Protection: When using this product refer to the label for details. In all other cases, use the following Personal Protective Equipment:
Respiratory protection: Wear suitable respiratory protective equipment if exposure to levels above the occupational exposure limit is likely. Respiratory protective equipment should conform to the appropriate EN standard.
Eye protection: Wear suitable eye/face protection conforming to EN 166.
Hand protection: Wear suitable gloves conforming to EN 374.
Body protection: Wear suitable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Colour: Various.
Physical State: Compressed cylindrical pellet.
Odour: Odourless.
Melting Point: Not applicable.
Boiling point: Not applicable.
Flash-Point: Does not flash.
Autoignition temperature Not available.
Minimum Ignition temp. >130 °C
Minimum Ignition: Not available.
Oxidizing properties: Oxidising agent; may assist combustion.
Energy Explosive properties Not applicable.
Vapour pressure: Not available.
Solubility: Partly soluble in/with water.
pH-value (quant.): Not available.
Partition coeff. (n-octanol/water): Not applicable
Density: Not available.

10. STABILITY AND REACTIVITY

Hazardous decomposition products: Combustion or thermal decomposition will evolve harmful vapours.

11. TOXICOLOGICAL INFORMATION.

This health assessment is based on information available for similar products.
Inhalation Smoke possibly irritating to respiratory tract
Skin Contact Possible risk of skin irritation
Eye Contact Composition and combustion product may cause eye irritation.
Ingestion Harmful if swallowed
Lowest LD50 of composition chemical constituents 1260 mg/kg (oral Rat)



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12. ECOLOGICAL INFORMATION

Ecotoxicity

This ecological assessment is calculated from data on the components of the formulation. Harmful to aquatic organisms. Unburned composition is non-selectively toxic to plants Not readily biodegradable

13. DISPOSAL CONSIDERATIONS

Product:

In accordance with current regulations may be taken to waste disposal site or incineration plant, after consultation with site operator and/or with the responsible authority. Can be land filled or incinerated, when in compliance with local regulations. Advice may be obtained from local waste regulation authority (part of the Environment Agency in the UK)

Contaminated Packaging:

Packaging that cannot be cleaned should be disposed of as product waste. Empty containers can be land filled after cleaning, when in compliance with the Environmental Protection (Duty of Care) Regulations 1991.

14. TRANSPORT INFORMATION

Rail / Road (RID / ADR)

Class	UN Number	Packaging Group	Kemmler Index
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Proper Shipping Name	Not subject to the provisions of ADR		
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Sea (IMDG-Code)

Class	UN Number	Packaging Group	EMS	MFAG
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Proper Shipping Name	Non Hazardous Marine pollutantNo			
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Air (ICAO / IATA)

Class	UN Number	Packaging Group
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Proper Shipping Name	Not restricted	
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15. REGULATORY INFORMATION

Classifications / Hazard symbols

Xn	HARMFUL
N	DANGEROUS FOR THE ENVIRONMENT

Risk phrases (R)

22	Harmful if swallowed
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Safety phrases (S)

51/53	Toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.
2	Keep out of the reach of children.
13	Keep away from food, drink and animal feeding stuffs.
17	Keep away from combustible material
20/21	When using do not eat, drink or smoke.
23	Do not breathe fumes.

16. OTHER INFORMATION

R phrases mentioned in Section 2:

R9	Explosive when mixed with combustible material
R20/22	Harmful by inhalation and if swallowed
R50/53	Very toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.