



MATERIAL SAFETY DATA SHEET

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Conforming 91/155/EWG

Issue 6 10/2012

1.) Product and Company Identification:

Product Identification:

2 brands -

Comet Parachute Rocket, White

Art.-No.: 9123700

Pains Wessex Parachute Illuminating Rocket MK8 Item No 50755

Use of Product:

Signal for Illuminating areas at sea

Manufacturer's name:

Drew Marine Signal & Safety Germany GmbH
Vieländer Weg 147
27574 Bremerhaven
Germany

Supplied By:-

Drew Marine Signal & Safety UK Ltd
Langstone Technology Park,
Langstone Road, Havant.
Hampshire, PO9 1SA, UK.

Tel: +44(0) 2392 415700

E: info@signalandsafety.com
www.signalandsafety.com

Emergency Contact: 24 hours:

Phone: +49 (0)178 433 7434

2.) Composition / Information on Ingredients:

| | | | | |
|-------------------------------|-----------------------------------|------------|-----------------------|---------|
| ➤ Chemical Characterization: | Oxidation and combustible mixture | | | |
| ➤ Description: | Pressed, pyrotechnical powder | | | |
| ➤ Hazardous Ingredients: | EC-No.: | CAS-No.: | R-Sentences: Content: | |
| Lighter composition: | | | | |
| - Magnesium | 012-002-00-9 | 7939-95-4 | 11, 15 | 30-60% |
| - Natrium Nitrate | 231-554-3 | 7631-99-4 | 8, 22, 36 | 30-60% |
| Delay composition: | | | | |
| - Blackpowder | 231-818-8 | 7757-79-1 | 2 | 60-100% |
| - Colophonium | | 8050-09-7 | 43 | 1-5% |
| - Aluminium | 231-072-3 | 7429-90-5 | 10, 15 | 10-30% |
| Ignition Composition: | | | | |
| - Blackpowder | 231-818-8 | 7757-79-1 | 2 | 30-60% |
| - Potassium Perchlorate | 231-912-9 | 7778-74-7 | 9, 22 | 5-10% |
| - Strontium Nitrate | 233-131-9 | 10042-76-9 | 8, 36, 37, 38 | 10-30% |
| - Aluminium / Magnesium alloy | 231-072-3 | 7429-90-5 | 2 | 10-30% |
| Rocket Propellant: | | | | |
| - Blackpowder | 231-818-8 | 7757-79-1 | 2 | 60-100% |
| - Potassium Perchlorate | 231-912-9 | 7778-74-7 | 9, 22 | 10-30% |
| - Barium Chromate | 233-660-5 | 10294-40-3 | 20, 22 | 10-30% |
| - Aluminium | 231-072-3 | 7429-90-5 | 10, 15 | 10-30% |



www.comet-marine.com



www.painswessex.com



www.aurora-marine.com



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3.) Hazard Identification:

- Hazard: flammable
- Special hazards for Health & Environment: Burn hazard if not used conforming manual instructions
- Classification System: not applicable

4.) First Aid Measures:

- Inhalation: having problems after inhaling smoke, consult a physician
- Skin contact: flush with water
- Eye contact: flush with water, consult a physician
- Swallowing: having problems after swallowing smoke, consult a physician

5.) Fire Fighting Measures:

- Extinguishing Media: once the signal is ignited, it cannot be extinguished for secondary fires = water
- Special protection gear: none

6.) Accidental Release Measures:

- Personal Safety Measures: use signal only in emergency cases
- Environmental Measures: not applicable
- Cleaning instructions: not applicable

7.) Handling and Storage:

- Handling: Conforming instructions printed on the signal
- Indications concerning fire and explosion protection: not applicable
- Storage: Store in cool and dry environment, avoid heat
- Warehouse and packaging requirements: Store only in original packing and conforming with the directions for storing dangerous goods
- Common storage with other goods: Store only together with non-dangerous goods, or goods of the same dangerous goods classification
- VbF classification: not applicable





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8.) Exposure Controls & Personal Protection:

- | | |
|--|----------------|
| ➤ Additional information concerning technical installations: | not applicable |
| ➤ Exposure limits: | not applicable |
| ➤ Limiting and surveillance of exposure: | not applicable |
| ➤ Personal protection equipment | not applicable |
| ➤ Respiratory protection: | not applicable |
| ➤ Hand protection: | not applicable |
| ➤ Eye protection: | not applicable |
| ➤ Body protection: | not applicable |

9.) Physical & Chemical Properties:

- | | | |
|--------------------------------------|---|-----------------|
| ➤ Form: | Aluminium tube with pressed explosives, parachute and ignitor | |
| ➤ Colour: | Outer casing: | plastic, orange |
| | Pyrotechnical ingredients: | black / grey |
| ➤ Odor: | neutral | |
| ➤ pH-value: | not applicable | |
| ➤ Change in state: | not applicable | |
| ➤ Melting point/ area: | not applicable | |
| ➤ Boiling point/ area: | not applicable | |
| ➤ Flashpoint: | 160 °C / 320 ° F | |
| ➤ Self Inflammability: | not applicable | |
| ➤ Explosion risk: | not applicable | |
| ➤ Density: | not applicable | |
| ➤ Solubility / Miscibility in Water: | indissoluble | |

10.) Stability & Reactivity Data:

- | | |
|--|---|
| ➤ Autoignition / Conditions to avoid: | |
| 1)Temperatures >160 °C (320 °F) | |
| 2)Strong mechanical impact, e.g. pushing or throwing | |
| ➤ Hazardous Reactions: | During intended use: flames, heat and smoke |
| ➤ Hazardous Corrosion Products: | not applicable |

11.) Toxicological Data:

(for products arising during intended reaction)

- | | |
|---|---|
| ➤ Acute Toxicity: | Inhalation of flue gases (fine dust of magnesium oxide) |
| ➤ Primary Irritation: | none |
| ➤ Sensitisation: | none |
| ➤ Additional toxicological Indications: | none |





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12.) Ecological Data:

- General Indications: none

13.) Disposal Considerations:

- Disposal via specialised trade

14.) Transport Information:

- Dangerous Goods Classification: 1.4G, UN0505 Signals, Distress, Ship
(when packed in approved steel tin)

15.) Regulatory Information:

- Labeling EWG Restrictions: not applicable.
- National Restrictions: not applicable
- Classification VbF: not applicable
- Water Pollution Class: not applicable

16.) Other Information:

- R-Sentences:
 - # 2 = Explosive, due to heavy impact, friction or open fire
 - # 8 = Inflammable, when in contact with other combustible materials
 - # 9 = Explosive, when mixed with combustible materials
 - # 10 = Inflammable
 - # 11 = Highly inflammable
 - # 15 = Highly inflammable gases occur, when reacting with water
 - # 20 = Harmful to health when inhaled
 - # 22 = Harmful to health when swallowed
 - # 36 = Irritating for eyes
 - # 37 = Irritating for respiratory organ
 - # 38 = Irritating for skin
 - # 43 = Allergisation via skin contact possible

