

1.) Product and Company Identification:

Product Identification:

Comet line-throwing rocket, 250m Art.-No.: 9162700
Pains Wessex Linethrower 250 Item No.: 50080, 50081

Use of Product:

Sea distress signal .Rocket propelled line thrower

Manufacturer's name:

Chemring Defence Germany GmbH
Vieländer Weg 147
27574 Bremerhaven
Germany

Emergency Contact:

Phone: ++49-(0)471-393-0



Supplied By:-

Chemring Marine Ltd
1500 Parkway, Whiteley
Fareham, Hampshire,
PO15 7AF U.K.
Phone ; ++ 44 (0) 1489 884130
www.painswessex.com
info@chemringmarine.com

2.) Composition / Information on Ingredients:

➤ Chemical Characterization:	Oxidation and combustible mixture			
➤ Description:	Pressed, pyrotechnical powder			
➤ Hazardous Ingredients:	EC-No.:	CAS-No.:	R-Sentences:	Content:
Ignition Composition:				
- Potassium Nitrate	231-818-8	7757-79-1		60-100%
Rocket Propellant:				
- Nitrocellulose	603-037-01-3	9004-70-0	11	30-60%
- Nitroglycerine		55-63-0	3, 26-28, 33	30-60%

3.) Hazard Identification:

- Hazard: flammable, explosive
- 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 gas, consult a physician
- Skin contact: flush with water
- Eye contact: flush with water, consult a physician
- Swallowing: having problems after swallowing gas, 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: Conform with 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 conform 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

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: Steel tube with pressed explosives
- Colour: Outer casing: grey
Pyrotechnical ingredients: black / grey
- Odour: neutral
- pH-value: not applicable
- Change in state: not applicable
- Melting point/ area: not applicable
- Boiling point/ area: not applicable
- Flashpoint: 170°C / 338° F
- Self Inflammability: not applicable
- Explosion risk: not applicable
- Density: not applicable
- Solubility / Miscibility in Water: indissoluble

10.) Stability & Reactivity Data:

- Auto -ignition / Conditions to avoid:
 - 1) Temperatures >71°C (160°F)
 - 2) Strong mechanical impact, e.g. pushing or throwing
- Hazardous Reactions: not applicable
- Hazardous Corrosion Products: not applicable

11.) Toxicological Data:

(for products arising during intended reaction)

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|--|------|
| ➤ Acute Toxicity: | none |
| ➤ Primary Irritation: | none |
| ➤ Sensitisation: | none |
| ➤ Additional toxicological Indications | none |

12.) Ecological Data:

- | | |
|------------------------|------|
| ➤ General Indications: | none |
|------------------------|------|

13.) Disposal Considerations:

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| ➤ Disposal via specialised trade | |
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14.) Transport Information:

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| ➤ Dangerous Goods Classification: | 1.4G UN 0453 Rockets, Line-Throwing
(when packed in UN- approved metal drum).
Otherwise: 1.3G UN 0240 |
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15.) Regulatory Information:

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|-------------------------------|-----------------|
| ➤ Labelling EWG Restrictions: | not applicable. |
| ➤ National Restrictions: | not applicable |
| ➤ Classification VbF: | not applicable |
| ➤ Water Pollution Class: | not applicable |

16.) Other Information:

- | | |
|----------------|--|
| ➤ R-Sentences: | |
| # 3 = | Very explosive, due to heavy impact, friction or open fire |
| # 26 = | Very poisonous when inhaled |
| # 27 = | Very poisonous when skin contact |
| # 28 = | Very poisonous when swallowed |
| # 33 = | Hazard of cumulative reactions |