

1.) Product and Company Identification:

Product Identification:

2 Chemring Marine Ltd Brands:-
Comet line-throwing rocket, 250 Art.-Nos.:9112700, 9162700
Pains Wessex Linethrower 250 Item Nos.: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: 24 Hours

Phone: +49 (0)178 433 7434



Supplied By:-

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2.) Composition / Information on Ingredients:

➤ Chemical Characterization:	Oxidation and combustible mixture		
➤ Description:	Pressed, pyrotechnical powder		
➤ Hazardous Ingredients:	<u>EC-No.:</u>	<u>CAS-No.:</u>	<u>R-Sentences: Content:</u>
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)

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

12.) Ecological Data:

- General Indications: none

13.) Disposal Considerations:

- Disposal via specialised trade

14.) Transport Information:

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

15.) Regulatory Information:

- 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