

# Material Safety Data Sheet

conforming 2001/58/EG



## 1.) Product and Company Identification:

### Product Identification:

Comet line-throwing device, 250m Art.-No.: 9160400

### Use of Product:

Sea distress signal

### Manufacturer's name:

Comet GmbH  
Pyrotechnik – Apparatebau  
Vieländer Weg 147  
27574 Bremerhaven  
Deutschland



### Emergency Contact:

Phone: ++49-(0)471-393-0 24 hours

## 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 can not 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

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## 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:  
Storage only in original packing and conforming the directions for storing dangerous goods
- Common storage with other goods:  
Storage only together with non-dangerous goods, resp. 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: 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: 170°C / 338° F
- Self Inflammability: not applicable
- Explosion risk: not applicable
- Density: not applicable
- Solubility / Miscibility in Wasser: indissoluble

## 10.) Stability & Reactivity Data:

- Autoignition / 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

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**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: |                  |
|                                   | USA 1.4G UN 0431 |
|                                   | 1.4G UN 0453     |
|                                   | EX-1997010148A   |

**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: |                                                            |
| # 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                             |