## Conforming 91/155/EWG

## 1.) Product and Company Identification:

## Product Identification: Supplied under 2 Brands:-

Comet Parachute Rocket Red Pains Wessex Para Red Rocket MK8A

**Use of Product:** Sea distress signal

### Manufacturer's name:

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

Art.- No.: 9163100 Item No.: 50672 & 50637

Drew Marine Signal & Safety UK Ltd Langstone Technology Park, Langstone Road, Havant, Hampshire, PO9 1SA, United Kingdom Tel: +44 (0)2392 415700 | Fax: +44 (0)2392 415701 | www.signalandsafety.com

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

T: +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: Description:	Oxidation and combustible mixture Pressed, pyrotechnical powder			
<b>&gt;</b>	Hazardous Ingredients:	EC-No.:	CAS-No.:	<b>R-Sentences:</b>	Content:
	Lighter composition:				
	- Magnesium	012-002-00-9	7939-95-4	11, 15	30-60%
	- Strontium Nitrate	233-131-9	10042-76-9	8, 36, 37, 38	30-60%
	Delay composition:				
	- Blackpowder	231-818-8	7757-79-1	2	70-80%
	- Aluminium	231-072-3	7429-90-5	43	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%
	<ul> <li>Aluminium / Magnesium alloy</li> </ul>	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%
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www.painswessex.com

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## 3.) Hazard Identification:

- ➤ Hazard:
- Special hazards for Health & Environment:
- Classification System:

## 4.) First Aid Measures:

- Inhalation:
- Skin contact:
- Eye contact:
- Swallowing:

## 5.) Fire Fighting Measures:

Extinguishing Media:

Special protection gear:

## 6.) Accidential Release Measures:

- Personal Safety Measures:
- Environmental Measures:
- Cleaning instructions:

## 7.) Handling and Storage:

➤ Handling:

Conform with instructions printed on the signal

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Indications concerning fire and explosion protection:

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- Storage: Store in cool and dry environment, avoid heat
- Warehouse and packaging requirements: Only store in original packing and conform with the directions for storing dangerous goods
- Common storage with other goods: Only store together with non-dangerous goods or goods of the same dangerous goods classification.
- VbF classification:

having problems after inhaling smoke, consult a physician

Burn hazard if not used conforming manual instructions

flush with water flush with water, consult a physician having problems after swallowing smoke, consult a physician

once the signal is ignited, it cannot be extinguished for secondary fires = water none

## use signal only in emergency cases not applicable

not applicable

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flammable

not applicable

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not applicable



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not applicable

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## 8.) Exposure Controls & Personal Protection:

- Additional information concerning technical installations:  $\geq$
- Exposure limits:
- Limiting and surveillance of exposure:
- Personal protection equipment
- Repiratory protection:
- Hand protection:
- > Eye protection:
- Body protection:

## 9.) Physical & Chemical Properties:

- ➤ Form:
- ➢ Colour:

Steel tube with pressed explosives and ignitor Outer casing: Plastic, Comet version is orange, Pains Wessex is yellow. Pyrotechnical ingredients: black / grey

- > Odour:
- > pH-value:
- Change in state:
- Melting point/ area:
- Boiling point/ area:
- Flashpoint:
- Self Inflammability:
- Explosion risk:
- Density:
- Solubility / Miscibility in Water:

## 10.) Stability & Reactivity Data:

> Auto-ignition / Conditions to avoid: 1)Temperatures >160°C (320°F) 2)Strong mechanical impact, e.g. pushing or throwing During intended use: flames, heat and smoke

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- Hazardous Reactions:
- Hazardous Corrosion Products:

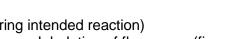
## 11.) Toxicological Data:

(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

## 12.) Ecological Data:

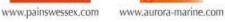
General Indications:





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not applicable not applicable

not applicable not applicable not applicable not applicable 160°C / 320° F not applicable not applicable not applicable indissoluble

not applicable

neutral

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none

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## 13.) Disposal Considerations:

Disposal via specialised trade

## 14.) Transport Information:

> Dangerous Goods Classification:

1.4G UN 0505 Signals, Distress, Ship (when packed in approved metal tin)

## **15.) Regulatory Infomation:**

- Labelling EWG Restrictions:
- National Restrictions:
- Classification VbF:
- Water Pollution Class:

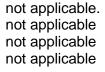
## 16.) Other Information:

- 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
  - # 15 = Highly inflammable gases occure, when reacting with water
  - # 20 = Harmfull 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



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