

**1. Product and Company Identification:**

**Product Identification:**

PWSS Handflare, Red Mk8

**Part No.s** 52900, 52902, 52905, 52907,  
52908, 52910, 52911, 52912

**Use of Product:**

Marine distress signal

**Manufacturer's name:**

Comet GmbH  
Pyrotechnik - Apparatebau  
Vieler Weg 147 27574  
Bremerhaven Deutschland

**Sales:** PWSS Ltd

Silver Point Airport Service  
Portsmouth  
PO35PB

**Emergency Contact:**

Telephone: ++49-(0)471-93-0 24 hours 0044 (0)2392 623900

**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 8,

30-60%

Strontium Nitrate

233-131-9

10042-76-9

36-38

30-60%

**Delay composition:**

Blackpowder

231-818-8

7757-79-1

2 20,22

10-30%

Barium Nitrate

233-020-5

10022-31-8

30-60%

**Ignition Composition:**

Blackpowder

231-818-8

7757-79-1

2

60-100%

Aluminium / Magnesium

231-072-3

7429-90-5

10,15

5-10%

Alloy

**3. Hazard Identification:**

**Hazard:**

flammable

**Special hazards for Health & Environment:**

Burn hazard if not used in accordance with manual instructions

**Classification System:**

not applicable

**4. First Aid Measures:**

**Inhalation:**

If you experience problems after inhaling smoke,  
consult with a doctor

**Skin contact:**

flush with water

**Eye contact:**

flush with water, consult a physician

**Swallowing:**

having problems after swallowing smoke, consult  
with a doctor

**5. Fire Fighting Measures:**

**Extinguishing Media**

Once the signal is ignited, it can not be  
extinguished for secondary fires use water

**Special protection**

none

**Material Safety Data Sheet**  
2001/58/EG Compliant

**Pains Wessex**

**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:** Operating 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, respective goods of the same dangerous goods classification.

**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:

Co lour:	Steel tube with pressed explosives, igniter and grip
	Outer casing: 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 in Water.	indissoluble

**Material Safety Data Sheet**  
2001/58/EG Compliant

**Pains Wessex**

**10. Stability & Reactivity Data:**

Auto ignition / 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:

**13. Disposal Considerations:**

Detailed disposal instructions are available on [www.painswessex.com](http://www.painswessex.com)

**14. Transport Information:**

Dangerous Goods Classification:

1.4G UN 0191

**15. Regulatory Information:**

Labeling EWG Restrictions: \_

Not applicable.

National Restrictions:

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
- # 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