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

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1.) Product and Company Identification:

Product Identification:

Comet Orange Handsmoke Art.-No.: 9132600 PW Orange Handsmoke MK8A Item No.: 53930

Use of Product:

Sea distress signal

Manufacturer's name:

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

Emergency Contact: 24 hours:

Phone: +49 (0) 178 433 7434

Supplied By:

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

Tel: +44 (0) 2392 415700

E: info@signalandsafety.com www.signalandsafety.com

2.) Composition / Information on Ingredients:

	Chemical Characterization:	Oxidation and combustible mixture			
\triangleright	Description:	Pressed, pyrotechnical powder			
\triangleright	Hazardous Ingredients:	EC-No.:	CAS-No.:	R-Sentences:	Content:
	Ignition Composition:				
	- Barium Nitrate	233-020-5	10022-31-8	20, 22	60-100%
	- Blackpowder	231-818-8	7757-79-1	2	1-5%
	- Sulphur	231-722-6	7704-34-9	none	5-10%
	Smoke Composition:				
	- Potassium Chlorate	017-004-00-3	3811-04-9	9, 22	10-30%
	- Dihydroxy-Anthrachinon				30-60%
	- Milk Sugar				10-30%

3.) Hazard Identification:

> Hazard: flammable

Special hazards for Health & Environment:

Burn hazard if not used conforming manual instructions

Classification System: not applicable







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4.) First Aid Measures:

Inhalation: having problems after inhaling smoke, consult a

physician

Skin contact: flush with water

flush with water, consult a physician Eye contact:

Swallowing: having problems after swallowing smoke, 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: 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: Store only 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

with goods of the same dangerous goods classification.

VbF classification: not applicable

> Cométe www.comet-marine.com

8.) Exposure Controls & Personal Protection:

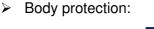
Additional information concerning technical installations: not applicable > Exposure limits: not applicable

Limiting and surveillance of exposure: not applicable

Personal protection equipment not applicable

Respiratory protection: not applicable Hand protection: not applicable

> Eye protection: not applicable not applicable





Registered office as above. Registered number 2937952.



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9.) Physical & Chemical Properties:

Form: Plastic casing with pressed explosives
Colour: 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 / 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 UN0197 Signals, Smoke







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15.) Regulatory Infomation:

Labelling EWG Restrictions:

National Restrictions:

Classification VbF:

➤ Water Pollution Class:

not applicable.

not applicable not applicable

not applicable

16.) Other Information:

- Flammable
- > R-Sentences:

2 = Explosive, due to heavy impact, friction or open fire

9 = Explosive, when mixed with combustible materials

20 = Harmful to health when inhaled

22 = Harmful to health when swallowed



