

# Smoke Signal, orange

## Material Safety Data Sheet - Art. No. 9132000

### 1. General Information

- **Manufacturers name:** COMET GmbH  
Pyrotechnik-Apparatebau
- **Address:** Postfach 10 02 67  
27502 Bremerhaven/Germany  
**Emergency Telephone No: +49-471-393-0**
- **Proper shipping name:** Signals, smoke
- **Hazard Classification:** 1.4 G
- **UN-number:** 0197
- **Technical specification:** Burning time: 4 minutes  
Ignition: pull-wire ignitor  
Colour of smoke: orange  
In accordance with SOLAS 88, IMO Res. A 689/17



### 2. Function

- Ignition by means of a friction igniter after pulling the ignition-cord.
- All devices must be used in accordance with package instructions.

### 3. Hazardous ingredients

Mixture of : Black-Powder, Orange dye, Potassium chlorate, Barium nitrate

### 4. Fire and Explosion Data

- Flash point: 160 °C (320°F)
- Special Fire Fighting Procedures: Once ignited the device cannot be extinguished.
- Extinguishing media for secondary fires: water.

### 5. Reactive Data

- **Stability:** Stable. Do not expose to temperatures above 71°C (160°F).
- **Incompatibility:** N.A.
- **Hazardous decomposition products:** CO, smoke colour as sublimate when burned.
- **Hazardous polymerisation:** Will not occur.

### 6. Handling and Storage Precautions

- Avoid heating or impact as fire may occur.
- Fire extinguishers must be on hand during handling, transport and storage.
- Avoid ignition of detective material.
- Storage should be in dry area safe from sparks and fire.
- Devices are to be stored in accordance with local regulations.

### 7. Waste Disposal

- Devices should be disposed by authorised disposal agencies or fire brigades.