

SAFETY DATA SHEET– SDS

1. Product and Company Identification

Product: RED PARACHUTE SIGNAL 300M ALTITUDE HGS40-30000 SOLAS/MED EUROSUL
 Manufacturer: Ningbo Zhenhua Global Import & Export Co. Ltd.
 Importer/Distributor: Eurosul – Fornecedora de Navios Ltda
 Address: Rua Jaguaraiá, 596 – Room 01 – Alphaville Graciosa – Pinhais – PR – ZIP Code: 83327-076 – Brazil
 Emergency telephone number: +55 (41) 3668-1319
 Recommended use: Maritime pyrotechnic red parachute distress signal for long-range day and night emergency signaling.

2. Hazard Identification

Classification: Explosive – Division 1.3G
 Manual pyrotechnic article intended for maritime emergency signaling. The main hazard is associated with storage, transportation and activation of the device.
 Hazard statements:
 H204 – Fire or projection hazard
 Precautionary statements:
 P210 – Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P250 – Do not subject to grinding, shock, friction or impact.
 P280 – Wear protective gloves, eye protection and face protection.
 P370+P380 – In case of fire: Evacuate area.
 P372 – Explosion risk in case of fire.
 P373 – DO NOT fight fire when fire reaches explosives.
 P401 – Store in accordance with local regulations for explosives.
 P501 – Dispose of contents/container in accordance with local regulations.
 Pictogram: GHS01



Signal word: Warning

3. Composition and Information on Ingredients

Composition	CAS	%
Strontium nitrate	10042-76-9	Not declared by manufacturer
Magnesium powder	7439-95-4	Not declared by manufacturer
Gilsonite	N/A	Not declared by manufacturer
Linseed oil	8001-26-1	Not declared by manufacturer
PVC	9002-86-2	Not declared by manufacturer
Black powder	N/A	Not declared by manufacturer
Potassium perchlorate	7778-74-7	Not declared by manufacturer
Sodium nitrate	7631-99-4	Not declared by manufacturer
Aluminum/magnesium alloy	N/A	Not declared by manufacturer
Ammonium perchlorate	7790-98-9	Not declared by manufacturer
Barium chromate	10294-40-3	Not declared by manufacturer
Aluminum powder	7429-90-5	Not declared by manufacturer

4. First Aid Measures

Inhalation: Remove victim to fresh air. Seek medical attention if respiratory symptoms occur.
 Skin contact: Wash immediately with soap and water. Remove contaminated clothing.
 Eye contact: Rinse immediately with running water for at least 15 minutes. Seek medical attention.
 Ingestion: Do not induce vomiting. Seek immediate medical attention.

5. Firefighting Measures

DANGER: Explosive/pyrotechnic product.
 Evacuate the area immediately.
 Do not fight fire involving the product directly.
 Use large amounts of water spray/fog to cool surrounding areas whenever possible.
 DO NOT fight the fire when fire reaches explosives.
 Product may project incandescent particles and burning materials.

6. Accidental Release Measures

CAUTION: EXPLOSIVE/PYROTECHNIC ARTICLE.
 Isolate and signal the area.
 Eliminate all ignition sources.
 Avoid heat, friction, impact and sparks.
 Collect manually using appropriate PPE.
 Do not use metallic tools.
 Store residues in a safe fire-resistant container for proper disposal.

7. Handling and Storage

Handle carefully away from ignition sources.
 Do not disassemble the device.
 Store in a cool, dry and ventilated area with controlled access.
 Protect against impact, heat and moisture.
 Follow applicable regulations for explosive storage.

8. Exposure Controls and Personal Protection

Respiratory protection: Recommended in environments with smoke.
 Hand protection: Heat-resistant protective gloves.
 Eye protection: Safety goggles and face protection.
 Ventilation: Use in open and ventilated areas.

9. Physical and Chemical Properties

Physical state: Solid contained in plastic tube with internal metallic body
 Color: Red
 Odor: Odorless
 Length: 267 mm
 Diameter: 48 mm
 Approximate weight: 366 g
 Burning time: Minimum 40 seconds
 Launch altitude: Up to 300 meters
 Luminous intensity: 30,000 candelas

10. Stability and Reactivity

Stable when stored as recommended.
 May react violently to heat, impact, friction and sparks.
 Avoid contact with strong oxidizing agents and ignition sources.
 Combustion may release intense smoke and incandescent particles.

11. Toxicological Information

During combustion the product may release smoke and particles causing eye, skin and respiratory irritation.
 Contact with internal contents may cause chemical irritation and burns.
 No significant toxicity is expected under normal storage and handling conditions of the sealed product.

12. Ecological Information

Avoid release into the environment.
 Combustion residues may contain metals and oxidizing compounds potentially harmful to water, soil and vegetation.

13. Disposal Considerations

Disposal must be carried out by specialized hazardous waste and pyrotechnic material companies.
 Do not reuse, disassemble or incinerate the product.
 Waste classification according to ABNT NBR 10004: Class I – Hazardous Waste.

14. Transport Information

UN Number: UN0195

Proper shipping name: DISTRESS SIGNALS

Hazard class or division: 1.3G

Hazard description: Explosives

Packing group: Not applicable

Applicable regulations: ANTT; IMDG Code; IATA DGR; SOLAS

15. Regulatory Information

ABNT NBR 14725:2023; ABNT NBR 10004; Applicable ANTT Resolution; IMDG Code; IATA DGR; SOLAS

16. Other Information

Revision date: 26/05/2026

Document prepared based on the manufacturer's technical manual and classification stated on the approved product packaging.

It is the user's responsibility to use and dispose of the product correctly in accordance with current environmental legislation.

Emergency response guide required: Yes