

SAFETY DATA SHEET– SDS

1. Identification of the product and company

Product: EURO250 LINE THROWING CARTRIDGE PN JH7-230-91
Manufacturer: Ningbo Zhenhua Life-saving Equipment Co., Ltd.
Importer/Distributor: Eurosul – Fornecedora de Navios Ltda
Address: Rua Jaguaraiá, 596 – Sala 01 – Alphaville Graciosa – Pinhais – PR –
ZIP Code: 83327-076 – Brazil
Emergency telephone number: +55 (41) 3668-1319
Recommended use: Pyrotechnic cartridge for marine rescue line throwing equipment

2. Hazard identification

Chemical product classification:
Explosive – Division 1.3G
H Statements:
H204 – Fire or projection hazard
P Statements:
P210 – Keep away from heat, hot surfaces, sparks, open flames and other ignition sources
P250 – Do not subject to grinding, shock, friction or impact
P370+P380 – In case of fire: Evacuate area
P372 – Explosion risk in case of fire
P401 – Store in accordance with applicable regulations for explosive materials
Pictograms: GHS01



Signal word: Danger

3. Composition and information on ingredients

Cartridge containing proprietary pyrotechnic composition, solid propellant and oxidizing components used in marine line throwing systems.

4. First aid measures

Inhalation: Remove victim to fresh air and seek medical attention if symptoms occur
Skin contact: Wash with soap and water
Eye contact: Rinse immediately with plenty of running water
Ingestion: Do not induce vomiting and seek immediate medical attention
Burns: Cool affected area with clean water and seek medical assistance

5. Firefighting measures

Extinguishing media: Water spray for cooling adjacent areas
Specific hazards: Explosive product with risk of ignition, projection and explosion under heat, impact or flame
Protection for firefighters: Wear full protective equipment and self-contained breathing apparatus
Special procedures: Immediately evacuate the area in case of fire involving the product

6. Accidental release measures

Isolate the area and remove ignition sources
Do not handle damaged cartridges
Collect using non-sparking tools
Avoid impact, friction and heating during handling

7. Handling and storage

Handle carefully avoiding impact, friction and heat
Store in a dry, ventilated place protected from moisture
Keep away from ignition sources and incompatible materials
Do not dismantle or puncture the cartridge

8. Exposure controls and personal protection

Respiratory protection: Use respiratory protection in case of smoke or decomposition
Hand protection: Protective gloves
Eye protection: Safety goggles
Body protection: Suitable clothing for handling explosive articles

9. Physical and chemical properties

Physical state: Solid cartridge packed in metallic casing
Color: Variable
Odor: Characteristic
Flammability: Explosive pyrotechnic product
Solubility: Insoluble in water
Sensitivity: Sensitive to heat, impact and friction

10. Stability and reactivity

Stable under normal storage conditions
Avoid excessive heat, flames, impact and friction
May release toxic gases and fumes during thermal decomposition

11. Toxicological information

Exposure to combustion fumes may cause respiratory irritation
Contact with activated material may cause burns
No significant acute toxicological effects are expected under normal storage conditions

12. Ecological information

Avoid improper disposal into the environment
Do not allow contamination of soil and water bodies
Waste must be disposed of according to regulations applicable to explosive materials

13. Disposal considerations

Dispose according to regulations applicable to explosive articles and hazardous waste
Do not dispose together with regular waste
Classification according to ABNT NBR 10004: Hazardous waste

14. Transport information

Proper shipping name: CARTRIDGES FOR POWER DEVICE
UN Number: UN0240
Hazard class or division: 1.3G
Description of hazard class or division: Explosives
Packing group: Not applicable
Applicable regulations: ANTT, IMDG Code, IATA DGR, SOLAS

15. Regulatory information

ABNT NBR 14725:2023, ABNT NBR 7500, ABNT NBR 7503, ABNT NBR 10004, ANTT Resolution 5998/2022, IMDG Code, IATA DGR, SOLAS 74, MSC.48(66), MSC.81(70), MED Directive 2014/90/EU

16. Other information

Revision date: 05/19/2026
Document prepared based on technical documentation, SOLAS/MED certificates and operational information provided by Ningbo Zhenhua Life-saving Equipment Co., Ltd.
It is the user's responsibility to ensure proper use and disposal in accordance with applicable environmental regulations
Emergency sheet: Yes