



SAFETY DATA SHEET

SDS-007

Revision: 02

Date: January 2025

1. PRODUCT AND COMPANY IDENTIFICATION

1.1- Product name: Secondary Igniter**1.2- Application:** Oil, Gas and Water Well**1.3- Manufacturer:****ETASA (ARGENTINA) S.A.**

Ruta 25 Km. 13 Villa Rosa 1631

PO Box 374 Pilar 1629

Buenos Aires – Argentina

Telephone: +54 230 4494167

Telfax: +54 230 4494165

Cel. 24hs. Darío Lattanzio +54 9 11 4440 6526

Cel. 24hs. Gabriel Scipioni +54 9 2284 454800

2. HAZARD IDENTIFICATION

The normal use and handling of Shaped Charges does not present health hazards.

Detonation may cause severe physical injury, including death.

Inhalation of explosives powders may cause nervous system irregularity, headaches and dizziness

This Secondary Igniter does not present mass detonation risks, United Nations (0454 1.4S)

3. COMPOSITION, INFORMATION ON INGREDIENTS

Material	- Smokeless Black powder
	- Strontium nitrate
	- Magnesium
	- Polyvinyl chloride
	- Corn dextrin

4. FIRST AID MEASURES

- Move the victim to fresh air.
- Seek medical attention.
- Give artificial respiration if victim is not breathing.
- Give Oxygen if breathing is difficult.
- Remove contaminated clothes and footwear.
- Put abundant water in case of eye or skin contact.
- Make sure that medical personal has knowledge of involved materials and that personal protective equipment is used.

5. FIRE FIGHTINGS MEASURES

- Do not fight fire when it reaches the Shaped Charges.
 - Stop the traffic and evacuate the area for at least 1600 feet. LET IT BURN.
 - Do not move charges from vehicle if present.
- NOTIFY LOCAL AUTHORITIES IMMEDIATELY

Fire fighting procedures:

- Use abundant water. FLOOD IT
- If there is no water use CO₂ and/or quimic dust.
- Keep larger distance when fire fighting.
- Put special attention on wheels, it could rearm fire.
- Stay alert with fire-extinguisher ready.

6. ACCIDENTAL RELEASE MEASURES

- Eliminate all ignition sources.
- DO NOT SMOKE, NO FLARES USE, DO NOT PRODUCE SPARKS, AND MAKE FIRE IN THE AREA.
- All the equipment must be grounded during the use of it.
- Do not touch or walk over the spoiled material.
- Do not consume food or drinks in the contaminated exposed areas.
- Do not clear or reject anything, but under specialist instruction.

7. HANDLING AND STORAGE

Hazard Class		1.4S
Handling and storage conditions		Store and prepare only in authorized buildings, follow the local authority regulations of explosives and explosives articles.
Handling	Instruction for safe handling	<ul style="list-style-type: none">– Keep away from heat sources and flames.– Keep away from any ignition sources.– Avoid mechanical influences (Ex. impact, crushing)– Do not smoke
	Fire and explosion protection	<ul style="list-style-type: none">– Do not smoke– Keep away from ignition sources and fire– Avoid any mechanical impact and crushing influences
	Final disposition	– Disposal must be in accordance with local authorities.

8. EXPOSURE CONTROLS – PERSONAL PROTECTION

- Use only with adequate ventilation.
- Use safety glasses or goggles, gloves, protection masks against dust and mist.
- Use cotton clothes and conductive soled shoes.

9. PHYSICAL PROPERTIES

Secondary Igniter containing black power.

10. STABILITY AND REACTIVITY

- Detonation may be caused by friction, impact, heat, electric contact.
- Fire could produce irritant and toxic gases.
- Detonation produces hazardous fragments




11. / 12. TOXICOLOGICAL/ ECOLOGICAL INFORMATION

There are not ecological or toxicological damaged expected.

13. DISPOSAL CONSIDERATION

Final disposition must be under federal, state and local laws, regulations and ordinances

14. TRANSPORT INFORMATION

14.1 UN Number: IATA, IMDG, ADR	0454
14.2 Official Transport designation of the United Nations: IATA IMDG, ADR	Igniters IGNITERS
14.3 Relative class of transport: IATA, IMDG, ADR	Class 1.4S  Label 1.4S
14.4 Packing Group:	No Apply
14.5 Environmental Risks:	No
14.6 Special user precautions: FEM	F-B, S-X
14.7 Transport in bulk for Annex II of MARPOL 73/78 and the IBC Code:	No Apply
14.8 Transport/ Additional Data: Handling Label: Limited Quantity: Excepted Quantity:	N/A Forbidden E0
Label and Marking Unit of Ground transportation:	 
Emergency Phones:	Carlos Aman 02284 15 547828 Eliana Lorena Cabo 011 1531981440

15. REGULATORY INFORMATION

- Ley de Armas y explosivos 20.429 Decreto 302/83.
- Ley de Transito 24.449 Decreto 779/95.
- For international handling United Nation "Recommendation on the transport of dangerous goods" are applicable. (Orange Manual).

16. OTHER INFORMATION

- The 1.4D packaging or classified material 1.4D
- This products are designed and packed in such a way that allows energical burn with small detonation and proximity fragments projections.
- The effects are usually limited to packaging proximity. If fire reached the charge storage area that contains 1.4D packaging or classified material 1.4D, consider a 50 feet isolation area. Keep a reasonable distance when fighting fire.
- Explosives must be handled following approved safety procedures under the direction of competent, qualified persons in accordance with local regulations.

This information contained is based on our actually knowledge. This information is given for the purposes on safety handling of our products and adapted safety precautions, but makes no warranty as to such.