

1. Identification of the substance/ preparation and of the company / undertaking

Trade name	Electronic detonator Daveytronic®
Use of the preparation	Pyrotechnic initiation
Manufacturer	SNC DAVEY BICKFORD Le Moulin Gaspard 89 550 HERY FRANCE Tel +33 3 86 47 30 00 Fax +33 3 86 47 81 94 Email: dir-usine@daveybickford.fr
Importer	OY FORCIT AB P.O.Box 19 FI-10900 HANKO FINLAND Tel +358 (0)207 440 400 Fax +358 (0)207 440 225 Email: forcit@forcit.fi
Emergency telephone	Forcit +358 (0)207 440 400

2. Hazards identification

Classification of mixture E; Explosive

3. Composition and information on ingredients

Hazardous ingredients Components used in manufacturing the electronic detonators are:
Primary explosives max 2 g and/or Secondary explosives max 2 g
The ingredients are not in direct contact with users.
In case of accidental contact with one of those components, please contact immediately the importer or the manufacturer for information on how to handle the products.

4. First aid measures

Inhalation	Not applicable
Contact with skin	Not applicable
Contact with eyes	Not applicable
Ingestion	Not applicable
Other information	Components are in a metallic shell. Do not put into a waste bin or dump.

5. Fire fighting measures

General	<p>In case of fire nearby the products: use extinguishers and all available means to prevent fire from reaching the product.</p> <p>If fire is about to reach the product or the product is burning: Do not try to extinguish, risk of explosion. Withdraw personnel immediately up to the necessary safety distance. Evacuate the immediate perimeter of the fire and block accesses.</p>
Hazards	May detonate: no instantaneous explosion of the whole box under 1.4 risk division.
Special firefighting equipment	<p>Upon intervention, use a mask with cartridge.</p> <p>WARNING: the risk of explosion may remain latent even after the fire has stopped, depending on the condition of the products.</p>

6. Accidental release measures

Personal precautions	Isolate the area.
Environmental precaution	Prevent substance from soaking into soil, waters and drains.
Methods for cleaning up	<p>Never handle damaged detonators. Undamaged detonators can be repacked in packaging similar to original boxes.</p> <p>Never use damaged products or partially damaged products (that have been shocked or submitted to excessive temperatures etc.).</p>
Other information	In case of potentially or visibly damaged products, contact immediately ForcIt to obtain the necessary information for handling those detonators.

7. Handling and storage

Handling	<p>Handle with care, avoid all forms of commotion (impact and friction) on products and their packaging, keep products and packaging away from heat, flames and sparks.</p> <p>Keep out of the reach of children.</p> <p>The control and implementation of pyrotechnic articles must be done by authorized staff.</p>
Storage	<p>Storage temperature: -40°C - +70°C</p> <p>Keep away from damp.</p> <p>Respect all regulations on the storage of hazardous goods. Do not store with other dangerous goods not being of Class 1 or with incompatible goods of Class 1.</p>
Special measures	National regulations must be followed with handling and storage.

8. Exposure controls / personal protection

Limit values for occupational safety	-
Protection from exposure	<p>Respiratory protection: Avoid breathing fumes from detonation.</p> <p>Hand protection: Not applicable</p> <p>Eye protection: Not applicable</p> <p>Ear protection: Use ear protectors if close to the detonation.</p>

9. Physical and chemical properties

Physical state	The components are contained in a metallic shell.
Other information	Object made to detonate.

10. Stability and reactivity

Conditions to avoid	Avoid any exposure to high temperatures, impact, friction and electrostatic discharges or stray currents.
Materials to avoid	<p>Acids or alkalis.</p> <p>Dangerous goods outside Class 1 and all incompatible materials of Class 1.</p>
Hazardous decomposition products	Lead fumes and possibility of carbon monoxide and nitrogen.

11. Toxicological information

No applicable information.
Object made to detonate.

12. Ecological information

No applicable information

13. Disposal considerations

Disposal of the product See Section 6

Disposal of packaging To be made on site per state and federal regulations, by authorized staff.

14. Transport information

UN - number	0456
Classification code	1.4 S
ADR/RID - class	1.4S
Proper shipping name	DETONATORS, ELECTRIC
IMDG - class	1.4S
ICAO/IATA - class	1.4S

15. Regulatory information

Not applicable

16. Other information

Further information Additional information is available from OY FORCIT AB (www.forcit.fi).

The information contained is based on the present state of our knowledge. The present file is not exhaustive and only refers to normal use of the product in question. It does not represent any guarantee with regard to product properties or their suitability for particular uses. Because either the use of this information and instructions or the conditions of use of the product is not at our control, it is the user's duty to specify the circumstances for the safe use of the product.