

German Authorities for Material Research and -Tests
Department II, 3 Explosive Materials

Tgb. no II-4582/97

12205 Berlin
Unter den Eichen 87
Tel. (030) 8104-4411

Certificate

The German Authorities for Material Research and -Tests (BAM), authorized for the dangerous material classification of explosive materials and items containing explosive materials, and acting on behalf and under responsibility of the German Ministry of Transport, certify on the request of the company

Dynamit Nobel GmbH
Explosive Materials and System Technology
Facility Stadeln
Kronacher Strasse 63
90765 Fürth

dated 13 January 1995

that the pyrotechnic device for technical purposes

Electrical Rope Cutter ESKV 11

(also completed with the parts of the security device „Cypres“ (Fa. Airtec GmbH) according to the documents which are with the BAM)

according to the recommendation of the United Nations about the transport of dangerous goods is no explosive device in the sense of the transport regulations. The regulations for the transport of class 1 items are not required.

Reasons:

The classification was made on the basis of the available documents and by tests.

It is to be assumed that in the case of accident no effect by splinters, smoke, heat, fire or loud noise is to be expected from the packing unit which justifies an assignment. Therefore it is not necessary to classify the item in question as an explosive item in the sense of the transport regulations.

Berlin, 10 October 1997

The president
of the German Authorities for Material Research and Tests
pp

(Authority Stamp)

Dr. Steidinger
Director and Professor

Certificates without Authority Stamp are not valid.

This certificate consists of 2 pages.

BAM

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Examination of pyrotechnic objects

Date: 03.04.95
Location: BAM / Stammgelände
Petitioner: DN-Stadeln

Examination appropriate to registration procedure:

gas burner
(test sample is to be flamed)

Participants: Frau Fink
Herr Hühne
Herr Dr. Rodner

Results:

1. ELB 0950 - gas producer

object in the packing - foil bag

- spraying after 29 seconds, green light, no noise
- object remained on the grid

object out of the packing

- spraying after 19 seconds, green light
- object remained on the grid

2. ESKV 11 for Electrical Rope Cutter

- reaction after 25 seconds, no reaction, short shining
- reaction after 22 seconds, little sizzle
- object remained on the grid

- complete rope cutter device has not been tested, because no other reaction is to be expected

Record:

(Dr. Rodner)