



U.S. Department
of Transportation

400 Seventh Street, S.W.
Washington, D.C. 20590

**Research and
Special Programs
Administration**

**The US Department of Transportation
Competent Authority for the United States**

CLASSIFICATION OF EXPLOSIVES

Based upon a request by Estes-Cox Corporation dba Estes Industries and Cox, P.O. Box 227, 1295 H Street, Penrose, CO, the following items are classed in accordance with Section 173.56, Title 49, Code of Federal Regulations, (49 CFR). A copy of your application, all supporting documentation and a copy of this approval must be retained and made available to DOT upon request.

U.N. PROPER SHIPPING NAME AND NUMBER:

Flammable solid, inorganic, n.o.s., UN3178

U.N. CLASSIFICATION CODE: 4.1

REFERENCE NUMBER

EX1995100115

PRODUCT DESIGNATION/PART NUMBER

Black Powder Mixture

NOTES:

This classification is valid only when the following conditions are met: 1. Mixture consists of no more than 40% black powder, more than 20% water with the balance inert material. 2. Not more than 5 pounds of the mixture are put in a 3 mil polyethylene bag which is tied closed. This is placed in another 3 mil polyethylene bag which is tied closed. Not more than 10 bags are placed in a UN 4G corrugated box. 3. Transportation is authorized from Estes' manufacturing facility to Ideal Cement Company Quarry - a distance of about 7 miles.

U.N. PROPER SHIPPING NAME AND NUMBER:

Articles, pyrotechnic [for technical purposes], UN0432

U.N. CLASSIFICATION CODE: 1.4S

REFERENCE NUMBER

EX1990010161

PRODUCT DESIGNATION/PART NUMBER

B8-5

EX1990010152

A8-3

EX1990010149

A10-0T

EX1990010155

B4-4

EX1990010157

B6-0

NOTES:

For domestic shipments these items may be classed as Model rocket motor, NA 0323, 1.4S.

U.N. PROPER SHIPPING NAME AND NUMBER:

Articles, pyrotechnic [for technical purposes], UN0432

U.N. CLASSIFICATION CODE: 1.4S

REFERENCE NUMBER

EX1998060053

PRODUCT DESIGNATION/PART NUMBER

1/4A 3-2T, 1/4A 3-4T

NOTES:

These articles may also be classed as NA 0323, Model Rocket Motors, Division 1.4S for domestic shipments only.

U.N. PROPER SHIPPING NAME AND NUMBER:

Igniters, UN0454

U.N. CLASSIFICATION CODE: 1.4S

REFERENCE NUMBER

EX1995040091

PRODUCT DESIGNATION/PART NUMBER

Estes Model Rocket Igniter

U.N. PROPER SHIPPING NAME AND NUMBER:

Articles, pyrotechnic [for technical purposes], UN0432

U.N. CLASSIFICATION CODE: 1.4S

REFERENCE NUMBER

EX1990010146

PRODUCT DESIGNATION/PART NUMBER

1/2A3-2T

EX1990010147

1/2A3-4T

EX1990010148

A3-4T

EX1990010150

A10-3T

EX1990010151

1/2A6-2

EX1990010153	A8-5
EX1990010154	B4-2
EX1990010156	B4-6
EX1990010159	B6-4
EX1990010160	B6-6
EX1990010158	B6-2
EX1990010163	C6-0
EX1990010164	C6-3
EX1990010165	C6-5
EX1990010166	C6-7

NOTES:

For domestic shipments these items may be classed as Model rocket motor, NA 0323, 1.4S.

U.N. PROPER SHIPPING NAME AND NUMBER:

Articles, pyrotechnic [for technical purposes], UN0432

U.N. CLASSIFICATION CODE: 1.4S

REFERENCE NUMBER

EX1998060052

PRODUCT DESIGNATION/PART NUMBER

1/4A 3-3T

NOTES:

These articles may also be classed as NA 0323, Model Rocket Motors, Division 1.4S for domestic shipments only.

U.N. PROPER SHIPPING NAME AND NUMBER:

Articles, pyrotechnic [for technical purposes], UN0432

U.N. CLASSIFICATION CODE: 1.4S

REFERENCE NUMBER

EX2001020088

PRODUCT DESIGNATION/PART NUMBER

A10-PT

NOTES – (EX2001020088):

These articles may also be classed as NA0323, Model Rocket Motors, Division 1.4S for domestic shipment only.

U.N. PROPER SHIPPING NAME AND NUMBER:

Model rocket motor, NA0323

U.N. CLASSIFICATION CODE: 1.4S

REFERENCE NUMBER

EX1995040092

PRODUCT DESIGNATION/PART NUMBER

Model Rocket Motor EC 69 (C 10-0)

NOTES:

This article may also be classed as UN 0432, Articles, pyrotechnic, Div. 1.4S for international shipment.

U.N. PROPER SHIPPING NAME AND NUMBER:

Articles, pyrotechnic [for technical purposes], UN0432

U.N. CLASSIFICATION CODE: 1.4S

REFERENCE NUMBER

EX1992030159

PRODUCT DESIGNATION/PART NUMBER

D11-P Model Rocket Engine

NOTES:

For domestic shipments these items may be classed as Model rocket motor, NA 0323, 1.4S.

U.N. PROPER SHIPPING NAME AND NUMBER:

Model rocket motor, NA0323

U.N. CLASSIFICATION CODE: 1.4S

REFERENCE NUMBER

EX1995040094

PRODUCT DESIGNATION/PART NUMBER

Model Rocket Motor EC 70 (C 10-4)

NOTES:

This article may also be classed as UN 0432, Articles, pyrotechnic, Div. 1.4S for international shipment.

U.N. PROPER SHIPPING NAME AND NUMBER:

Articles, pyrotechnic [for technical purposes], UN0432

U.N. CLASSIFICATION CODE: 1.4S

REFERENCE NUMBER

EX1980070022

PRODUCT DESIGNATION/PART NUMBER

D12-0

NOTES:

For domestic shipments these items may be classed as Model rocket motor, NA 0323, 1.4S.

U.N. PROPER SHIPPING NAME AND NUMBER:

Model rocket motor, NA0323

U.N. CLASSIFICATION CODE: 1.4S

REFERENCE NUMBER

EX2001050225

PRODUCT DESIGNATION/PART NUMBER

C11-0

NOTES:

This explosive article may be transported internationally as UN0432, Articles, pyrotechnic, 1.4S.

U.N. PROPER SHIPPING NAME AND NUMBER:

Articles, pyrotechnic [for technical purposes], UN0432

U.N. CLASSIFICATION CODE: 1.4S

REFERENCE NUMBER

EX1980070023

PRODUCT DESIGNATION/PART NUMBER

D12-3

NOTES:

For domestic shipments these items may be classed as Model rocket motor, NA 0323, 1.4S.

U.N. PROPER SHIPPING NAME AND NUMBER:

Model rocket motor, NA0323

U.N. CLASSIFICATION CODE: 1.4S

REFERENCE NUMBER
EX1995040093

PRODUCT DESIGNATION/PART NUMBER
Model Rocket Motor EC 70 (C 10-2)

NOTES:

This article may also be classed as UN 0432, Articles, pyrotechnic, Div. 1.4S for international shipment.

U.N. PROPER SHIPPING NAME AND NUMBER:
Articles, pyrotechnic [for technical purposes], UN0432

U.N. CLASSIFICATION CODE: 1.4S

REFERENCE NUMBER
EX1980070024

PRODUCT DESIGNATION/PART NUMBER
D12-5

NOTES:

For domestic shipments these items may be classed as Model rocket motor, NA 0323, 1.4S.

U.N. PROPER SHIPPING NAME AND NUMBER:
Model rocket motor, NA0323

U.N. CLASSIFICATION CODE: 1.4S

REFERENCE NUMBER
EX2001050194

PRODUCT DESIGNATION/PART NUMBER
C11-3, C11-5, C11-7

U.N. PROPER SHIPPING NAME AND NUMBER:
Articles, pyrotechnic [for technical purposes], UN0432

U.N. CLASSIFICATION CODE: 1.4S

REFERENCE NUMBER
EX1980070025

PRODUCT DESIGNATION/PART NUMBER
D12-7

NOTES:

For domestic shipments these items may be classed as Model rocket motor, NA 0323, 1.4S.

U.N. PROPER SHIPPING NAME AND NUMBER:

Model rocket motor, NA0323

U.N. CLASSIFICATION CODE: 1.4S

REFERENCE NUMBER

EX1995040095

PRODUCT DESIGNATION/PART NUMBER

Model Rocket Motor EC 70 (C 10-6)

NOTES:

This article may also be classed as UN 0432, Articles, pyrotechnic, Div. 1.4S for international shipment.

U.N. PROPER SHIPPING NAME AND NUMBER:

Articles, pyrotechnic [for technical purposes], UN0432

U.N. CLASSIFICATION CODE: 1.4S

REFERENCE NUMBER

EX1990010162

PRODUCT DESIGNATION/PART NUMBER

C5-3

NOTES:

For domestic shipments these items may be classed as Model rocket motor, NA 0323, 1.4S.

U.N. PROPER SHIPPING NAME AND NUMBER:

Rocket motors, UN0186

U.N. CLASSIFICATION CODE: 1.3C

REFERENCE NUMBER

EX1993030092

PRODUCT DESIGNATION/PART NUMBER

E15-4

NOTES:

For domestic shipments these items may be classed as Model rocket motor, NA 0276, 1.4C.

U.N. PROPER SHIPPING NAME AND NUMBER:

Model rocket motor, NA0276

U.N. CLASSIFICATION CODE: 1.4C

REFERENCE NUMBER

EX2001050193

PRODUCT DESIGNATION/PART NUMBER

E17-P, E17-6, E17-8, E17-0, E17-4

U.N. PROPER SHIPPING NAME AND NUMBER:

Rocket motors, UN0186

U.N. CLASSIFICATION CODE: 1.3C

REFERENCE NUMBER

EX1993030094

PRODUCT DESIGNATION/PART NUMBER

E15-8

NOTES:

For domestic shipments these items may be classed as Model rocket motor, NA 0276, 1.4C.

U.N. PROPER SHIPPING NAME AND NUMBER:

Model rocket motor, NA0276

U.N. CLASSIFICATION CODE: 1.4C

REFERENCE NUMBER

EX2001040075

PRODUCT DESIGNATION/PART NUMBER

E9-0, E9-P, E9-4, E9-6, E9-8

NOTES:

For international transport, these articles may be classed as UN0276, Cartridges, power device, 1.4C.

U.N. PROPER SHIPPING NAME AND NUMBER:

Rocket motors, UN0186

U.N. CLASSIFICATION CODE: 1.3C

REFERENCE NUMBER

EX1993030093

PRODUCT DESIGNATION/PART NUMBER

E15-6

EX1993030095

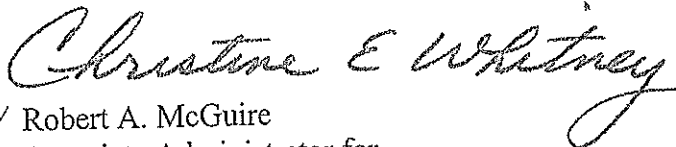
E15-P

NOTES:

For domestic shipments these items may be classed as Model rocket motor, NA 0276, 1.4C.

DATED: August 20, 2002

Approved by:



for Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety