



U.S. Department  
of Transportation

East Building, PHH – 32  
1200 New Jersey Avenue, Southeast  
Washington, D.C. 20590

**Pipeline and Hazardous  
Materials Safety Administration**

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

**CLASSIFICATION OF EXPLOSIVES**  
**THIRD REVISION**

Based upon a request by Combined Tactical Systems Inc., 388 Kinsman Rd, Jamestown, PA, US 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.

An EX approval is non-transferable in any merger, acquisition, sale of assets, or other business transaction. For more information, please visit:  
[<https://phmsa.dot.gov/hazmat/energetic-material-legalchanges-faq>]

**U.N. PROPER SHIPPING NAME AND NUMBER:**

Grenades practice, hand or rifle, UN0452

**U.N. CLASSIFICATION CODE:** 1.4G

**REFERENCE NUMBER:**

EX1998020106

**PRODUCT DESIGNATION/PART NUMBER:**

D/N's: 7290 (Rev. B and Rev. C),  
7290M Mini-Bang Rev. B, 7290ML, 7290-2 Rev A  
(Double Bang Low Roll Grenade Flash Bang)

NOTES: This classification is only valid when the practice grenades are equipped with at least two positive means to prevent accidental initiation during transport, and when packaged as follows:

Inner Packaging - Tubes, heavy wall fiberboard with a wall thickness not less than 0.75inches, each containing one (1) grenade.

Outer Packaging - UN4G fiberboard box, each containing not more than twelve (12) inner packagings in up to a 3x4 vertical array with sufficient fiberboard sheeting to prevent movement during transport.

This approval as revised supersedes all previous versions.

**DATED:** April 06, 2018

for William Schoonover  
Associate Administrator for Hazardous Materials Safety



U.S. Department  
of Transportation

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

**Research and  
Special Programs  
Administration**

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**U.N. PROPER SHIPPING NAME AND NUMBER:**

Ammunition, smoke with or without burster, expelling charge or propelling charge, UN0303

**U.N. CLASSIFICATION CODE:** 1.4G

**REFERENCE NUMBER**

EX2002040005

**PRODUCT DESIGNATION/PART NUMBER**

(Model 4401), (Model 5210B), (Model 6210B),  
(Model 5400)

**NOTES:**

Packing methods authorized are: (1) For Model 4401: Each unit is placed in a fiberboard tube. Thirty-two tubes per layer, three layers for a total of 96 units are packed in a 1A2 metal drum with fiberboard dividers.

(2) For Model 5210B, 6210B and 5400: Each unit is placed in a fiberboard tube. Twelve tubes per layer, two layers for a total of 24 units are packed in a 1A2 metal drum with fiberboard dividers.

**U.N. PROPER SHIPPING NAME AND NUMBER:**

Cartridges for weapons, inert projectile or Cartridges, small arms, UN0012

**U.N. CLASSIFICATION CODE:** 1.4S

**REFERENCE NUMBER**

EX2002040004

**PRODUCT DESIGNATION/PART NUMBER**

(Model 2582), (Model 2588), (Model 2589),  
(Model 2553), (Model 2555)

**U.N. PROPER SHIPPING NAME AND NUMBER:**

Ammunition, tear-producing with burster, expelling charge or propelling charge, UN0301

**U.N. CLASSIFICATION CODE:** 1.4G

**REFERENCE NUMBER**

EX2002040003

**PRODUCT DESIGNATION/PART NUMBER**

Model 4421, Powder Barricade, CN, Model 4431, Powder Barricade, CS, Model 4441, Powder Barricade, OC\*, Model 9430, Pepper Ball, CS, Model 9440, Pepper Ball, OC, Model 5420 Flameless Explosion, CN, Model 5430 Flameless Explosion, CS, Model 5440 Flameless Explosion, OC

**NOTES:**

Packing method authorized for Model 9430 and 9440 is: Each unit is inserted into a fiberboard tube. No more than twelve tubes in a layer per box are packed in a 4G outer box.

**U.N. PROPER SHIPPING NAME AND NUMBER:**

Cartridges for weapons, inert projectile or Cartridges, small arms, UN0339

**U.N. CLASSIFICATION CODE:** 1.4C**REFERENCE NUMBER**

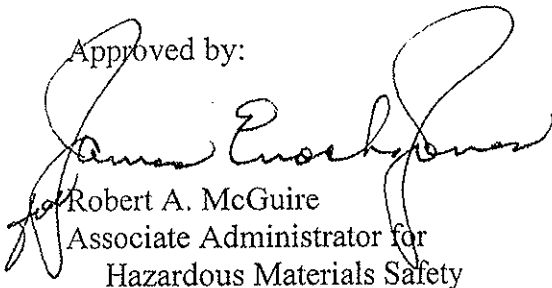
EX2002040006

**PRODUCT DESIGNATION/PART NUMBER**

(Model 3554), (Model 3558), (Model 3555R), (Model 3557), (Model 3559)

**DATED:** April 25, 2002

Approved by:



Robert A. McGuire  
Associate Administrator for  
Hazardous Materials Safety