CLASSIFICATION OF EXPLOSIVES

Based upon a request by Titan Completion Products a Division of Titan Specialties, Ltd., 143 HCR 4361, Milford, TX, 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:
Articles, explosive, n.o.s., UN0352

U.N. CLASSIFICATION CODE: 1.4D

REFERENCE NUMBER
EX2005070005

PRODUCT DESIGNATION/PART NUMBER
P/N 12-0029-100

NOTES:
The articles must not contain more than 38.5 grams of net explosive substances. The following packaging method is assigned: Inner Packaging - Trays, pressed cardboard not less than 1/4 inches in thickness with twenty recessed cavities uniformly spaced apart in a 4x5 array, each containing not more than twenty (20) articles segregated from each other strapped together with not less than seven empty trays below it. Outer Packaging-UN 4G fiberboard box, each containing not more than two inner packagings with not less than four fiberboard spacers and one particle board spacer above, between and below each inner packaging.

U.N. PROPER SHIPPING NAME AND NUMBER:
Charges, shaped, [without detonator], UN0440

U.N. CLASSIFICATION CODE: 1.4D

REFERENCE NUMBER
EX1994090002

PRODUCT DESIGNATION/PART NUMBER
P/N 1110, Open Face, (350 to 600 Grains)
U.N. PROPER SHIPPING NAME AND NUMBER:
Articles, explosive, n.o.s., UN0349

U.N. CLASSIFICATION CODE: 1.4S

REFERENCE NUMBER: EX2005070009
PRODUCT DESIGNATION/PART NUMBER: P/N TD Z 908 (P/N Booster-HMX-600-DN) in 1.4S packaging.

NOTES:
The following packaging method is assigned: Inner Packaging - Trayblock, foamed plastic with recessed cavities uniformly spaced apart in up to a 4x6 vertical array, each containing not more than twenty-four (24) articles with a minimum unit-to-unit separation distance of not less than 1-3/8 inches. Outer Packaging - UN 4G fiberboard box, each containing one inner packaging.

U.N. PROPER SHIPPING NAME AND NUMBER:
Jet perforating guns, charged [oil well, without detonator], UN0124

U.N. CLASSIFICATION CODE: 1.1D

REFERENCE NUMBER: EX1997010034
PRODUCT DESIGNATION/PART NUMBER: Product Assembly 1124

U.N. PROPER SHIPPING NAME AND NUMBER:
Articles, explosive, n.o.s., UN0352

U.N. CLASSIFICATION CODE: 1.4D

REFERENCE NUMBER: EX2005070010
PRODUCT DESIGNATION/PART NUMBER: P/N Booster-HMX-775-AA

NOTES:
The following packaging method is assigned: Inner Packaging - Trayblock, foamed plastic with recessed cavities uniformly spaced apart in up to a 5x5 vertical array, each containing not more than twenty-five (25) articles with a minimum unit-to-unit separation distance of not less than one inch. Outer Packaging - UN 4G fiberboard box, each containing one inner packaging.
U.N. PROPER SHIPPING NAME AND NUMBER:
Jet perforating guns, charged, [oil well, without detonator], UN0494

U.N. CLASSIFICATION CODE: 1.4D

REFERENCE NUMBER
EX1997010035

PRODUCT DESIGNATION/PART NUMBER
Product Assembly 1124

U.N. PROPER SHIPPING NAME AND NUMBER:
Charges, shaped, [without detonator], UN0440

U.N. CLASSIFICATION CODE: 1.4D

REFERENCE NUMBER
EX2005070006

PRODUCT DESIGNATION/PART NUMBER
P/N CTR-21238<--151

NOTES:
This classification is only valid if the total net weight of all explosive substances in each article does not exceed 38.0 grams and the explosives substances are not completely confined within the steel cutting tool without a vent orifice sufficient to prevent detonation of the article in a fire.

U.N. PROPER SHIPPING NAME AND NUMBER:
Detonators, electric [for blasting], UN0456

U.N. CLASSIFICATION CODE: 1.4S

REFERENCE NUMBER
EX2005070004

PRODUCT DESIGNATION/PART NUMBER
P/N 0026 FD (P/N DETC-DW0026FD-DN) in 1.4S packaging

NOTES:
The following packaging method is assigned: Inner Packaging - Tubes, heavy-wall fiberboard with wall thickness not less than 1/8 inch, each totally surrounding one detonator. Intermediate Packaging - Tray, foamed plastic, each containing not more than four (4) inner packagings uniformly spaced apart. Outer Packaging - UN 4G fiberboard box, each containing one intermediate packaging.
U.N. PROPER SHIPPING NAME AND NUMBER:
Charges, shaped, [without detonator], UN0440

U.N. CLASSIFICATION CODE: 1.4D

REFERENCE NUMBER
EX2005070007

PRODUCT DESIGNATION/PART NUMBER
P/N CTR-16538-4151, P/N CTR-22538-4151,
P/N CTR-25028-4151, P/N CTR-26533-4151,
P/N CTR-27538-4151

NOTES:
This classification is only valid if the total net weight of all explosive substances in each article does not exceed 38.0 grams and the explosives substances are not completely confined within the steel cutting tool without a vent orifice sufficient to prevent detonation of the article in a fire.

U.N. PROPER SHIPPING NAME AND NUMBER:
Charges, shaped, [without detonator], UN0441

U.N. CLASSIFICATION CODE: 1.4S

REFERENCE NUMBER
EX2005070008

PRODUCT DESIGNATION/PART NUMBER
P/N CTR-17209-4151, P/N CTR-18112-4151,
P/N CTR-20616-4151, P/N CTR-21216-4151,
P/N CTR-22523-4151, P/N CTR-27523-4151

NOTES:
This classification is only valid if the total net weight of all explosive substances does not exceed 22.7 grams per article and the explosives substances are not completely confined within the steel cutting tool without a vent orifice sufficient to prevent detonation of the article in a fire.

U.N. PROPER SHIPPING NAME AND NUMBER:
Charges, shaped, [without detonator], UN0059

U.N. CLASSIFICATION CODE: 1.1D

REFERENCE NUMBER
EX1994090003

PRODUCT DESIGNATION/PART NUMBER
P/N 1112, Open Face, (Explosive Load Over 600 Grains)
U.N. PROPER SHIPPING NAME AND NUMBER:
Charges, shaped, [without detonator], UN0441

U.N. CLASSIFICATION CODE: 1.4S

REFERENCE NUMBER  PRODUCT DESIGNATION/PART NUMBER
EX1994090001 P/N 1109, Open Face, (350 Grains or Less)
EX2002030121 2 1/8 Capsule Charge Assy. (CAP-2115-320T), 2
1/8 Capsule Charge Assy (CAP-2115-420T), 2 1/8
Capsule Charge Assy (CAP-2115-520T), 2 1/8
Capsule Charge Assy (CAP-2115-620T)
EX2002030122 1 11/16 Capsule Charge Assy (CAP-1608-320T), 1
11/16 Capsule Charge Assy (CAP-1608-420T), 1
11/16 Capsule Charge Assy (CAP-1608-520T), 1
11/16 Capsule Charge Assy (CAP-1608-620T)

U.N. PROPER SHIPPING NAME AND NUMBER:
Detonators, electric [for blasting], UN0456

U.N. CLASSIFICATION CODE: 1.4S

REFERENCE NUMBER  PRODUCT DESIGNATION/PART NUMBER
EX2003050076 DYNAWELL 0026 FD, A-161 (Oil Star)

NOTES:
This classification is only valid when each detonator is placed in a fiberboard tube and then placed in a foam tray. No more than 5 detonators may be placed in one tray which is placed in a UN 4G box.

DATED: November 7, 2005

Approved by:

[Signature]
Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety