CLASSIFICATION OF EXPLOSIVES
FIRST REVISION

Based upon a request by Pacific Scientific Energetic Materials Company, 7073 West Willis Drive, Chandler, AZ 85226-5111, United States 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:
Detonators, non-electric, for blasting, UN0455

U.N. CLASSIFICATION CODE: 1.4S

REFERENCE NUMBER  PRODUCT DESIGNATION/PART NUMBER

NOTES: This classification is only valid when the non-electric detonators are packaged as follows: Inner Packaging - Bags, heat-sealed static-resistant plastic, each containing one detonator. Intermediate Packaging - Receptacles, not less than Schedule 40 threaded steel pipe installed with aluminum discs and not less than Schedule 40 threaded steel end caps on both ends, each containing not more than two (2) inner packagings. Outer Packaging - UN 4G fiberboard box, each containing not more than ten (10) intermediate packagings in up to two layers with sufficient cushioning material to prevent movement during transport. When not in the above packaging the detonators shall be classed 1.1B.

Detonator part numbers 51-1965-3 & -4 were tested and passed the UN 6(d) Unconfined Single Package Test criteria. The other detonators were deemed to meet the UN 6(d) Unconfined Single Package Test criteria by analogy to those detonators (P/N’s 51-1965-3 & -4) tested.

DATED: 08/09/2011
For Dr. Magdy El-Sibaie
Associate Administrator for Hazardous Materials Safety