CLASSIFICATION OF EXPLOSIVES
SECOND REVISION

Based upon a request by DynaEnergetics GmbH & Co. KG, Kaiserstr. 3, Troisdorf, NW 53840, Germany, 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://www.phmsa.dot.gov/registration/faq-mergers-acquisitions-and-legal-status-changes-pdf]

**U.N. PROPER SHIPPING NAME AND NUMBER:**
Cord, detonating, flexible, UN0289

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

**REFERENCE NUMBER:** EX2004020046

**PRODUCT DESIGNATION/PART NUMBER:** Detonating Cord, Octocord PT 165

**NOTES:**
The ends of the detonating cord shall be sealed to prevent leakage of the explosive substance.

The following packaging method is assigned:

Inner Packaging - Sheets, double-wall fiberboard, not less than 6 mm in thickness with detonating cord wound in a flat single layer spiral and the outer end of the cord laid twice atop a cardboard strip not less than 3mm thick, laid across the middle of the spiral array and securely held in place. The spiral rings of detonating cord shall be separated by fiberglass or soft PVC tubing by a distance large enough to prevent initiation of the adjacent cords. The inner package is overpacked in a sealed and evacuated plastic bag.

Intermediate Packaging - Sheets, double-wall corrugated fiberboard not less than 6 mm in thickness, placed between and above the inner packagings in a single column and of sufficiently size such as to maintain complete separation between the inner packagings.
Outer Packaging - UN 4G fiberboard box, each containing not more than 155.5 meters (510 feet) of detonating cord and not more than 2.7 kilograms NEW.

This approval as revised supersedes all previous versions.

DATED: November 01, 2018

[Signature]
for William Schoonover
Associate Administrator for Hazardous Materials Safety