CLASSIFICATION OF EXPLOSIVES
THIRD 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: EX1998050151A
PRODUCT DESIGNATION/PART NUMBER: Octoslim PT 185 (D/N: TD Z 801-26 Issue D)

NOTES:
The detonating cord core load shall not exceed 14 grams per meter with the ends sealed to prevent leakage of the explosive substance.
The following packaging method is assigned:

Inner Packaging - Sheets, double-wall corrugated cardboard not less than 6 mm in thickness, with maximum 25.4m (83.3 feet) of detonating cord wound in a flat single layer spiral with the rings separated by fiberglass or plastic tubing large enough to prevent cross-cord initiation, and with the outer end of the cord laid atop a cardboard strip not less than 1.2mm in thickness secured across the middle of the spiral array.

Intermediate Packaging - Bags, evacuated and sealed plastic, each containing one (1) inner packaging.
Outer Packaging - UN 4G fiberboard box, each containing no more than six (6) intermediate packagings layered in a single column with double-wall corrugated fiberboard sheets not less than 6mm in thickness placed between and above such as to maintain complete separation, for a maximum of not more than 156 meters (512 feet) of detonating cord and not more than 2.2 kilograms NEW.

This approval as revised supersedes all previous versions.

**DATED:** February 08, 2019

[Signature]

for William Schoonover
Associate Administrator for Hazardous Materials Safety