

# SAFETY TESTING



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***FUSN™ is a safe ammonium nitrate-based fertilizer that is NOT regulated by the Department of Transportation under Class 1 or Class 5.***

## **DIVISION 5.1 OXIDIZER TESTING - PASSED**

The Division 5.1 Solid Oxidizer Test (5.1 UN Manual of tests and Criteria) measures the potential of a solid substance to increase the burn rate or intensity of a combustible substance (cellulose) when the two are mixed thoroughly in two different ratios.

**FUSN did NOT appear to be a Division 5.1 Solid Oxidizer, as defined by UN/DOT criteria.**

***FUSN results for United Nations Test Series 1:***

## **UN GAP TEST 1 – PASSED**

The purpose of the UN Gap Test is to measure the ability of a substance to propagate a detonation from defined shock and confinement.

**FUSN did NOT propagate detonation.**

## **UN KOENEN TEST 1 (B) – PASSED**

The purpose of the Koenen Tube Test is to determine the sensitivity of solid and liquid substances to intense heat under confined conditions.

**FUSN showed NO effect on heating under confinement**

## **UN TIME/PRESSURE TEST 1 (C) - PASSED**

The purpose of the Time/Pressure test is to determine whether igniting a substance under confinement will result in a deflagration with explosive violence.

**FUSN showed NO likelihood of deflagration.**