As of June 2015, new formulations and as of 2017 all existing formulations on the market should be classified according to CLP/GHS criteria. This means that an assessment of explosiveness should be made. In some cases performing of the UN GAP test will be unavoidable.

As the only company in Switzerland, Swissi Process Safety is offering the UN GAP test for GHS and CLP classifications.

**Test Version 1**
Test series 1, Type 1(a) for Explosive substances, Divisions 1.1. to 1.6 or Test series A, Type A.5 – UN GAP-test for self-reactive substances of Division 4.1 or organic peroxides of Division 5.2 / Purpose: Determine the ability of the substance to propagate a detonation

**Test Version 2**
Test series 2, Type 2(a) for Explosive substances, Divisions 1.1. to 1.6 or Test with spacer (difference to the Test 1(a)); Purpose: Determine the shock sensitivity of the substance.

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**Principle:**
This test is used to measure the ability of a substance, under confinement in a steel tube, to propagate a detonation by subjecting it to the detonation from a booster charge.

The test results are assessed on the basis of the type of fragmentation of the tube and on whether a hole is punched through the witness plate. Two tests shall be performed unless a detonation of the substance is observed.

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Test Result: negative

Test Result: positive

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The special features of this test
1. The procurement, storage and handling of high blasting explosives is subjected to strict prescriptions.
2. The performing of the tests requires trained personnel and a special bunker.
3. The required sample amount is approximately 1100-1500 mL.

Swissi Process Safety GmbH offers the classification tests for all European countries.
For further questions or discussions, please do not hesitate to get in touch with us.

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With best regards
Swissi Process Safety GmbH