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BULLETIN # 02-2022

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Amendments to the *Explosives Regulations*, Part 20 (Restricted Components) come into force June 3, 2023

Recently, a number of amendments to the *Explosives Regulations* Part 20 (Restricted Components) were finalized and published to *Canada Gazette* Part II. The amended regulations will come into force following a one-year transition period on June 3, 2023.

As expected, the regulatory changes include the addition of calcium ammonium nitrate (CAN) onto Tier 1 of the Restricted Components list.

The amended regulatory text is available through the *Canada Gazette Part II* publication here: <https://canadagazette.gc.ca/rp-pr/p2/2022/2022-06-22/html/sor-dors121-eng.html>

This Bulletin aims to provide an overview of the relevant changes in the amended *Explosives Regulations* Part 20 (Restricted Components) that will be coming into force. The CAN Code of Practice will be updated in 2023 to reflect the amended regulatory requirements.

Background

Part 20 of the *Explosives Regulations, 2013* restricts the acquisition and sale of restricted components and includes regulatory requirements for their sale and storage, limiting access to explosives precursors materials by members of the general public and facilitating reporting of suspicious transactions. The amendments to the *Explosives Regulations* Part 20 include the addition of four products, including CAN, to the list of restricted components.

Overview of Changes Made to the *Explosives Regulations*, Part 20

Below contains an overview of the main changes made to the *Explosives Regulations*, Part 20 (Restricted Components) however it is intended only to provide guidance and may not be comprehensive. Sites are encouraged to review the full regulatory text available through the *Canada Gazette* Part II publication above.

1. Change to three-tiered layout for Restricted Components

The restricted components have been split into three tiers (Tier 1, Tier 2, Tier 3), with Tier 1 being the highest risk with the most regulatory restrictions. Ammonium nitrate (AN) and calcium ammonium nitrate (CAN) are included in Tier 1.



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2. Addition of CAN to Tier 1, Restricted Components list

Calcium ammonium nitrate (CAN) will be regulated as a Tier 1 restricted component under the amended regulations once they come into force. This means that CAN will be subject to the same security requirements as AN. Component and product sellers of CAN will be required to enroll with Natural Resources Canada (NRCAN) and comply with the requirements of the *Explosives Regulations* Part 20.

The definition of AN and CAN on Tier 1, Restricted Components are as follows:

Ammonium nitrate, CAS RN 6484-52-2, in solid form at a concentration of at least 28% nitrogen w/w in relation to ammonium nitrate;

Calcium ammonium nitrate

(a) that is a mixture of the following essential ingredients:

- (i) ammonium nitrate and calcium carbonate,
- (ii) ammonium nitrate and calcium magnesium carbonate, or
- (iii) ammonium nitrate, calcium carbonate and calcium magnesium

carbonate;

(b) that is prepared as homogeneous prills or granules;

(c) that has a maximum combustible material content, expressed as carbon, of 0.4% w/w; and

(d) that has a minimum content of carbonates of 20% w/w at a minimum purity level of 90% w/w

Of note, the amended regulations also include the addition of AN and CAN when contained in cold packs in Tier 3.

Updates to the CAN Code of Practice

As the CAN Code of Practice was brought into force in 2019, sites certified and compliant with the CAN Code of Practice will already be in compliance with many of the regulatory requirements under the amended *Explosives Regulations*, as the Code of Practice was modelled after the AN Code of Practice security requirements. However, some additional regulatory reporting requirements for sites storing and selling CAN will come into force with the changes to the *Explosives Regulations* Part 20 when they come into force.

Accordingly, Fertilizer Canada will be incorporating updates into the CAN Code of Practice to come into force in 2023 to align with the regulatory changes.



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Resources and Information

For more information, please consult:

- [Amendments to the *Explosives Regulations, Part 20 – Canada Gazette Part II publication*](#)
- [Explosives Regulations, 2013](#)
- [NRCAN Explosives Regulatory Division website](#)
- [NRCAN Explosives Regulations – Guidelines](#)

Should you have any questions with respect to your audit, please do not hesitate to contact the Code Project Manager, Anthony Laycock via email at manager@awsa.ca. You may alternately contact Fertilizer Canada using the coordinates below.

Regards,

Nadine Frost
Director, Policy & Industry Standards
Fertilizer Canada
T: 613-786-3032
nfrost@fertilizercanada.ca