

Transportation of Dangerous Goods (TDG) Directorate



Ammonium Nitrate

Presentation to the UN/OECD Seminar in follow-up to the 2020 Beirut port explosion

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Purpose

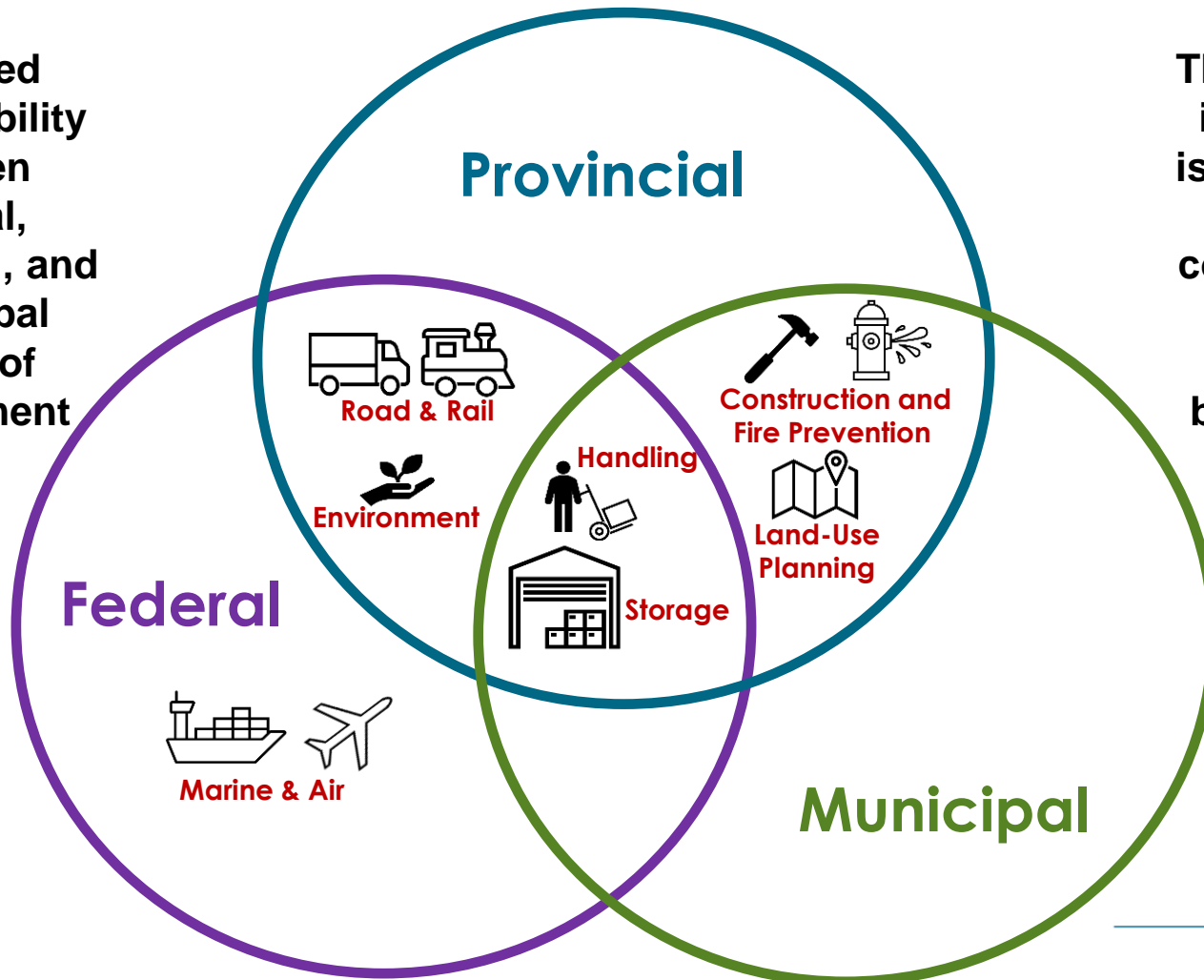


To present a high-level overview on the Canadian Regulatory Framework pertaining to ammonium nitrate (AN) storage requirements, handling, and transportation

Canadian Regulatory Framework



A shared responsibility between federal, provincial, and municipal levels of government



This framework is robust and is supported by industry's comprehensive codes of practice and best practices

Findings

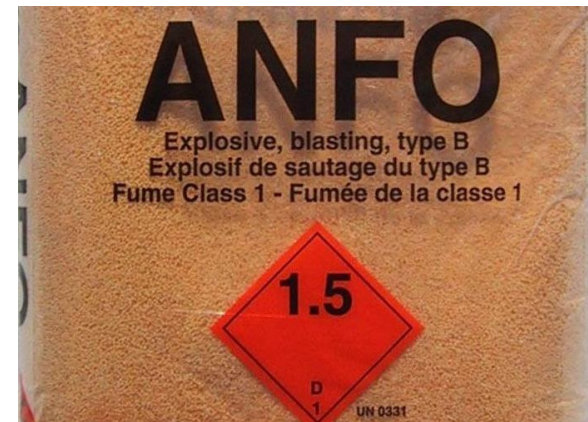
Explosive Grade - Ammonium Nitrate

No challenges identified

Existing regulations related to ammonium nitrate used in explosive mixtures are highly controlled at the federal level by **Natural Resources Canada**



Mining and Explosives | Mines Canada



Ammonium Nitrate Fuel Oil

Findings

Fertilizer Grade - Ammonium Nitrate

Minor challenges identified



Regulatory Overlap

Some regulatory provisions pertaining to storage and transport of AN are open to interpretation & offer limited guidance

Different Versions of Model Codes

AN storage requirements outlined in these codes vary based on their editions, 2010 or 2015.

Provinces and municipalities may have adopted different versions

Multiple Jurisdictions

Regulated entities must navigate set of regulations at the federal, provincial & municipal levels to identify and comply with applicable storage requirements



Conclusion and Next Steps



- Canada recognizes that this is a complex and cross-cutting issue
- While the overall risk has been assessed as low, there are opportunities to provide further clarity related to the Canadian AN regulatory framework
- To support regulated entities, Canada will consider modernizing its regulations, where feasible and continue to examine AN regulations and collaborate in international initiatives.