

safety matters

Construction
Toolbox Talks

From your safety partners at **Crendon Insurance Brokers Ltd**

Explosives and Your Safety

Explosives are extremely dangerous substances that require extreme care. Safety is of the utmost importance on the job site and should be on your mind at all times. Follow these guidelines to keep yourself and those around you safe.

Magazine Safety

- Keep cigarettes, matches, open flames, spark-producing devices and firearms more than 15 metres from magazines.
- Use only electric safety torches or electric safety lanterns for light in the magazine.
- Never pile explosives directly against masonry walls, brick-lined or sand-filled metal walls and single-thickness metal walls.
- Lay packages flat with the top side up.
- Store black powder separately from other explosives. Keep kegs on end, with bungs down or on the side and seams down.

- Store corresponding grades and brands together with brand and grade marks showing.
- Pile packages of explosives securely.
- Remove the oldest explosives first.
- Do not store any metal tools in magazines.

Housekeeping Procedures

- Keep magazine floors clean, dry and free of grit and other rubbish.
- Use brooms and cleaning utensils without metal parts.
- Dispose of sweepings immediately.
- If an explosive has become unstable or dangerous, allow an experienced person to destroy it according to the manufacturer's instructions.
- When magazines need repairs, remove explosives and clean floors. Explosives should be placed in another magazine or at a safe distance until they can be returned to the magazine.

Explosives are extremely dangerous substances that require extreme care. Keep yourself and others safe by following specific guidelines.



**Crendon
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Opening Packages

- Never pack or unpack explosives within 15 metres of a magazine or close to other explosives.
- Use tools made of non-sparking materials.
- Use a wood wedge and a fibre, rubber or wood mallet to open and close the wooden packages of explosives.
- Securely close open packages of explosives before returning them to a magazine.

Explosives and Vehicles

- Never smoke or carry matches, lighters or firearms while in or near a vehicle transporting explosives.
- Drive, load and unload vehicles carrying explosives with extreme care.
- Never carry spark-producing metals, oils, matches, firearms, electric storage batteries, flammable substances, acids, oxidising materials or corrosive compounds on board with explosives except in special circumstances.
- Avoid heavy traffic while transporting explosives.

Safety When Blasting

- Never smoke or carry matches, lighters or firearms during blasting activities.
- Never handle explosives if you are under the influence of

alcohol, narcotics or other drugs.

- When blasting close to anything that could be damaged, cover the blast before firing with a mat to prevent fragments from being thrown.
- Use precautions including warning signals, flags, barricades and woven wire mats to protect those around the blasting area.
- When there is a threat of an electrical storm, stop all operations and evacuate the area.
- Load only those holes that will be fired in the next round of blasting.
- Make drill holes large enough to easily fit cartridges of explosives.
- Before beginning drilling, use a wooden stick to check for unexploded charges in old holes and re-fire them.
- Give a loud warning signal before firing.

