



Government of **Western Australia**
 Department of **Mines and Petroleum**
 Resources Safety

Application for authorisation of an explosive

Dangerous Goods Safety Act 2004

Dangerous Goods Safety (Explosives) Regulations 2007

ABN: 69 410 335 356

Applying for authorisation

Authorisation is provided for in the *Dangerous Goods Safety Act 2004* and prescribed in detail in the Dangerous Goods Safety (Explosives) Regulations 2007.

The procedure provides regulators and industry with an assurance and high level of confidence that explosives products used in Western Australia are manufactured, tested, packaged and labelled in accordance with recognised world wide standards, tests and criteria and will be fit for purpose on a continuing basis.

Authorised explosives used in Western Australia can be:

- imported from overseas; or
- manufactured in another State or Territory of Australia then imported into WA; or
- manufactured in this State.

Who can apply for authorisation?

Any person may apply to have explosives products authorised; however in the majority of cases applicants are explosives companies involved in the import and/or manufacture and supply of explosives. Applicants need to be able to demonstrate a legitimate need for the explosive and that it can be safely handled, stored and transported by suitably licensed people.

Need for authorisation

Any explosives used in this State must be authorised unless:

- it is being trialled and for which a Test Permit must have been issued for the explosives; or

- it is a power device cartridge that is a standard component of, and is fitted to, a commercially manufactured article; or
- it is an unrestricted firework; or
- it is a model rocket motor in which the NEQ is not more than 5 g; or
- it is covered under generic authorisation previously granted by the Chief Officer.

See the application for a Test Permit for further information on trialling explosives.

Where an explosive has already been authorised under an interstate law, that explosive will be automatically authorised in Western Australia and the authorisation fee is reduced.

Note: NEQ refers to Net Explosives Quantity

Certain explosives do not require authorisation

The Chief Officer has authorised certain explosives generically and therefore no industry authorisation is necessary for the following:

- all fireworks
- model rocket motors of UN 0186
- explosives specifically designed and marketed for use in petroleum and geothermal operations for the purpose of well perforation or seismic exploration
- marine distress flares and signals comprising of 16 specified UN numbers and complying with the requirements of AS 2092 *Marine distress flares and signals for pleasure craft*
- articles of UN 0323 *Cartridges, Power Device* (1.4S)
- small arms ammunition including blank ammunition with classification codes 1.4S and 1.4C

Reference material

Further information can be found at:

- *Dangerous Goods Safety Act 2004*
- Dangerous Goods Safety (Explosives) Regulations 2007

(downloads of the Act and regulations are available free on the State Law Publisher's website at www.slp.wa.gov.au)

- International Maritime Dangerous Goods Code, published by the International Maritime Organisation

(for details on availability in Australia refer to www.imo.org/Publications)

- Australian Explosives Code, 3rd Edition
- Recommendations on the Transport of Dangerous Goods, Model Regulations, 14th revised edition, published by the United Nations (ISBN 92 1 139 106 7)

(available from www.canprint.com.au or CanPrint. Phone: 1300 889 873)

- Schedule of fees and charges
- Application for an Explosives Import/Export Licence
- Notice to import explosives or security risk substances (SRS)

(available from the Resources Safety website at www.dmp.wa.gov.au/ResourcesSafety)

Product information

To enable the authorisation process to be carried out with a high degree of confidence applicants must provide the Chief Officer with information about the nature of the product. The Dangerous Goods Safety (Explosives) Regulations 2007 specify the information which must be provided [r. 30(2)].

Applications must provide information on the following:

- product information design and formulation
 - explosives constituents
 - NEQ
 - how the explosive works
 - how it is initiated
 - effects and purpose
 - provision of a relevant material safety data sheet (MSDS)
- manufacture of the explosive
 - details of the manufacturer
 - place of manufacture
- for how long the manufacturer has manufactured the explosive; and use by date (if any)
- packaged explosives, the package's design and composition
- markings on the package
- details of NEQ in each package; results of any tests conducted on the packaging; and any approval number given to the packaging under the Australian Explosives Code, 3rd edition
- the United Nations (UN) number of the explosive as listed in the United Nations Model Regulations and the Australian Explosives Code, 3rd edition
- the history of the explosive's use (including adverse experiences) in Australia and elsewhere. If the explosive is suitable to be used underground then information must be supplied about why it is suitable and about any tests carried out on it to determine suitability
- written directions by the explosive's supplier for its safe use and disposal.

Applicant details

Applications can be submitted by an individual, a body corporate or a partnership.

An application for an individual must include a copy of the applicant's current motor driver's licence for proof of identity.

An application from a body corporate must be in the name as described on the certificate of incorporation, and the original certified copy of the certificate is to be provided with the application.

The following are also recognised as corporate bodies:

- Federal or State Government Departments
- Local Government authorities (Cities, Towns, Shires)
- Some semi-government organisations (e.g. Water Corporation, Western Power)

An application from a partnership must include:

- the original certified copy of evidence of the partnership; and
- a statutory declaration from each partner stating:
 - the name of the partnership
 - the name, home address and contact details of all partners; and
 - business in which the partnership is engaged.

The authorisation will be granted in the name of the partnership.

Please ensure that a contact number is provided in case the Departmental assessor needs to clarify matters or seek additional information. A residential business is mandatory and may be supplemented with a post office address.

Application lodgement

Complete the application section, including the checklist and attach all the required information. **Incomplete applications cannot be processed and will be returned.**

The completed application form, together with relevant documents and the relevant fee payable to the Department of Mines and Petroleum is to be mailed to:

Resources Safety
Department of Mines and Petroleum
100 Plain Street
East Perth WA 6004

or handed in person at:

Resources Safety
1 Adelaide Terrace
East Perth WA 6004

Office hours: 8.30 am to 4.30 pm

Contact details

Tel: (08) 9358 8001

Email: rsdcustomerservices@dmp.wa.gov.au

Website: www.dmp.wa.gov.au/ResourcesSafety for fees, forms, FAQs, guidance material and publications.

Notes:

- **Please refer to the schedule of fees and charges on the Resources Safety website for the current fee applicable to this application for authorisation.**

Explanatory notes

The following notes outline the information required prior to authorising an explosive. For further information or clarification please contact Resources Safety.

General details and classification	
Authorised name of explosive	Name given to the explosive by its manufacturer for authorisation and legal reference
Proper shipping name	e.g. "EXPLOSIVE, BLASTING, TYPE A". See Australian Explosives Code for more details
Classification code	UN Classification Code - Hazard division and compatibility group e.g. 1.1D
UN number	International identification number (United Nations Number)
Information supporting classification	e.g. Documentation from a recognised Competent Authority which classifies explosives and where required, results of classification tests conducted in accordance with UN criteria
Type of explosive	e.g. detonating cord, detonator, blasting explosive, flare, safety fuse
Primary use	Describe the application for this explosives, where is it to be used and for what purpose
Means of initiation	e.g. booster, detonator, electric, flame, impact
Manufacturer	Company name and manufacturing plant
Technical information	Technical bulletins and any other relevant information
Explosives formulation and characteristics	
Composition	List all ingredients using the correct chemical names. Detail the percentage (W/W) of each ingredient in the explosive. A separate sheet may be used
Explosive loading	e.g. detonating cord – PETN @ 10 g/m; detonators – base charge PETN 0.45g, primary charge ASA 250 mg
Characteristics	
High explosives	Sensitivity, density, VOD (velocity of detonation) (confined/unconfined), energy
Detonating cords	Velocity of detonation, strength
Safety fuses	e.g. Burning rate, burning rate tolerance, lateral ignition, water resistance
Detonators	Delay number, delay period (ms), strength
Propellants	Thickness, colour, grain shape, perforation, density, burning rate, stability test results
Boosters	Sensitivity, VOD
Fireworks	Effects, duration, burst spread, lifting and bursting charges, height
Other explosives	Effects, form (powder, pellets, etc.) and properties
Construction of explosive articles	
Construction	Description and dimensions of item, plus diagram where appropriate e.g. detonators, size, details, delay period, leadwire details – length, colour and nature of coating, wire gauge. Detonating cord – 4 mm diameter, 250 m per reel; Boosters – 27 x 33 mm @ 31 g ea. etc.
Outer covering	e.g. Detonating cord – polythene, blue. Boosters – white paper tubes
Labelling	Description of label and markings (include photograph of the item)
Packaging	
Packaging description	Method of packing (including inner and outer cartons and any lining), net weight of package, details of contents e.g. any internal packaging, number of items per case, number of internal cases per carton, UN package testing details
Labelling	
Labels on inner and outer packaging	Details of labels on inner and outer packaging (include a photograph of the item). See requirements in Australian Explosives Code
Safety	
Hazards	Any relevant information on hazardous properties, including shelf life, nature of deterioration and effect of aging
Material safety data sheet (MSDS)	For details on Material Safety Data Sheets refer to the guidelines issued by WorkSafe Australia
Emergency procedure guides (EPG)	For details on EPG, refer to the Australian Explosives Code
Administration	The correct fee must accompany this application



Government of **Western Australia**
 Department of **Mines and Petroleum**
 Resources Safety

Application no. (office use only)

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ABN: 69 410 335 356

Note:

A separate application form must be completed for each explosive to be authorised. Information given in and supplied with this application will be treated confidentially.

1. Applicant details

Details of person making application

Position held

Family name Given names

Body corporate (name as shown on certificate of incorporation – an original certified copy of the certificate must be attached)

ABN OR ACN

Contact details (all applicants)

Phone Facsimile

Mobile Email

Business street address (mandatory)

Unit no. Street no. Lot no. Street Type (e.g. St, Rd)

Town / suburb State Postcode

Postal address (complete if different from above)

Unit no. Street no. Lot no. Street Type (e.g. St, Rd)

PO box no. Town / suburb State Postcode

2. Authorisation under an interstate law

Has authorisation of this explosive been refused elsewhere?

Yes No

If 'Yes', indicate the relevant State or Territory

Has authorisation of this explosive been authorised elsewhere?

Yes No

If 'Yes', please provide the following information.

Authorisation number

State/Territory

Date granted

Please provide documentation to support the claim.

3. General details and classification

Proposed authorised name of explosive

Proper shipping name

Primary use (type of blasting or pyrotechnics application)

How will the explosive be initiated?

Type of explosive

Substance Article

If an article provide Net Explosive Quantity (NEQ)

Is the explosive suitable to be used underground? Yes No

If 'yes', please include information about why it is suitable and any tests carried out to decide its suitability.

Manufacturer contact details (mandatory)

Name of manufacturer

Unit no.

Street no.

Lot no.

Street name

Street suffix

Town/suburb

State

Postcode

Country of manufacture

Number of years that this explosive has been manufactured by the manufacturer named above

4. Explosives formulation and characteristics

Fully describe each of the explosive's constituents (ingredients) and the amount of each constituent by weight. A separate sheet may be used.

Constituent (correct chemical names)	% Content (by weight)

Characteristics of the explosive

Provide details of the effect of the explosive when initiated

Note: Refer to the explanatory notes for further clarification

Attach a material safety data sheet and technical data sheet for the explosive.

Is a MSDS attached? Yes No

Is a technical data sheet attached? Yes No

5. Construction of explosive articles

Attach a diagram showing the construction of the explosive (e.g. a cutaway drawing showing each component).

6. Performance and testing details

Provide details of performance of the explosive in accordance with the UN Manual of Tests and Criteria

Provide details of testing of the explosive in accordance with the UN Manual of Tests and Criteria

7. Packaging details

UN packaging approval number	Packaging instruction no.

The method of marking of packaging

The number and NEQ of explosives in each form of packaging in which the explosives are handled

Information that the packaging complies with the packaging requirements of the AEC 3

Description of packaging

Inner

Intermediate

Outer

Labelling

Outer package

Item	Tick if shown	Size of print (mm)	Item	Tick if shown	Details
Proper shipping name			Lot and batch number		
Authorised name			Name and address of Australian contact		
UN number			Date of manufacture		
Class label			NEQ of substance		
Subsidiary label			No. of articles or units within package		
Word 'EXPLOSIVE'			Other markings		

Labelling (cont'd)

Inner package

Item	Tick if shown	Comment
Authorised name		
Class label		
Subsidiary label		
Name and address of Australian contact		
Other markings		

8. Safety information

Safety shelf life

Potential hazards

Nature of deterioration

Special precautions in handling and use

Method of disposal

Is there any additional safety information or accident history which should be advised in properly assessing this explosive? Yes No

If 'yes', please attach details.

9. Classification information

UN classification code(s) proposed for this explosive

UN number(s) proposed for this explosive

Has testing been carried out to confirm proposed classification code(s)? Yes No

If 'Yes', attach test results.

If 'No', on what basis has classification code(s) been established?

Has another explosives competent authority approved the proposed classification code(s)? Yes No

If 'Yes', please attach competent authority approval details.

Other relevant information (please specify)

10. Applicant's declaration (where the intended licence holder is not an individual, this declaration must be signed by a person within the business / firm who has authority to sign)

I declare the information provided in this application and the documents provided in support of it, are true and correct. I understand that providing false or misleading information in an application is an offence.

Name Position

Signature of applicant Date / /

11. Checklist (please tick the boxes to ensure your submission is complete)

- Completed and signed application forms
- If a body corporate, an original certified copy of certificate of incorporation
- If a partnership, the following:
 - the original certified copy of evidence of the partnership
 - a statutory declaration from **each** partner stating (the name of the partnership; the name, home address and contact details of all partners; the business in which the partnership is engaged)
- If a trust, the following:
 - the original certified copy of a document which states the name of the trust
 - Full name, home address and contact details of at least one of the trustees
 - If the nominated trustee is a body corporate or partnership, the documents required are the same as advised for such entities
- If an individual, a copy of the applicant's current motor driver's licence
- A copy of interstate authorisation (if applicable)
- A copy of proof of classification documentation
- A copy of all relevant technical information as it relates to the explosive, including tests performed, all test results (good and adverse)
- A copy of all relevant product information
- A copy of the MSDS for the explosive
- A copy of the Technical Data Sheet
- Relevant photographs of the explosive, including packaging
- Payment of the licence fee

Incomplete applications cannot be processed and will be returned.

The approval process may take several months and the Chief Officer may seek further information or request that further testing be performed.

12. Payment details

Please forward your application and remittance by mail to:

Resources Safety — Department of Mines and Petroleum
 100 Plain Street, EAST PERTH WA 6004

Application no. (office use only)

AUE

Cheques and money orders should be made payable to: Department of Mines and Petroleum

Authorisation of explosives

Complete this section if paying by credit card

Card number

Expiry date /

Card type (please tick) Mastercard Visa

Cardholder's name

Amount Signature of cardholder

Phone number of cardholder Date / /