



Application for authorisation of an explosive

Apply for or amending an
authorisation of an explosive



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.

(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 explosives:

- all fireworks for entertainment and belonging to UN numbers 0333, 0334, 0335, 0336 and 0337 (except prohibited fireworks as listed in Schedule 2 of the *Explosives Regulations 2007*);
- all commercially manufactured model rocket motors classified as UN 0186 as used by model rocket clubs; and
- all explosives specifically designed and marketed for use in petroleum and geothermal operations for the purpose of well perforation or seismic exploration.

Reference material

Further information:

- *Dangerous Goods Safety Act 2004*
- *Dangerous Goods Safety (Explosives) Regulations 2007 (Part 4)* (downloads are available free on the State Law Publisher's website at www.slp.wa.gov.au)
- *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 CanPrint, www.canprint.com.au, Phone: 1300 899 873)

- *International Maritime Dangerous Goods Code*, published by the International Maritime Organisation
(for details on availability refer to www.iata.org/ps/publications)

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

(available from www.dmp.wa.gov.au/ResourcesSafety and go to the Dangerous Goods Safety tab)

Product information

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

Product information covers required design and formulation; explosives constituents; NEQ; how the explosive works; how it is initiated; effects and purpose; and provision of a relevant Material Safety Data Sheet (MSDS).

Information is also required in relation to manufacture of the explosive including details of the manufacturer; place of manufacture; for how long the manufacturer has manufactured the explosive; and use by date (if any).

For packaged explosives, information is required that fully describes 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.

Particular information will include the United Nations (UN) number of the explosive as listed in the United Nations Model Regulations and the Australian Explosives Code, 3rd edition.

Information is also required on 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 must also be provided.

Applicant details

Applications can be submitted by an individual, a body corporate or a partnership. An application from a body corporate must be in the name

as described on the certificate of incorporation, and an original certified copy of the certificate is to be provided with the application.

Application lodgement

Complete the application section, including the checklist, attach all the required information and fees and post to:

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

Lodgement of an incomplete application may increase the time it takes to complete the authorisation process.

If necessary, additional or qualifying information may be sought by the Chief Officer.

Contact details

Tel: (08) 9358 8001
Fax: (08) 9358 8000
Email: rsdclientservices@dmp.wa.gov.au
Website: www.dmp.wa.gov.au/ResourcesSafety for fees, forms, FAQs, guidance material and publications.

Note: Please refer to the schedule of fees on the Resources Safety website for the current fee applicable to this application for authorisation.

Explanatory notes

The following notes are an outline of what information is 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 No.	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, etc.
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, etc.
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 etc.
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 - 4mm diameter, 250m 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)
Packing	
Packing 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, etc. 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)

Application for authorisation of an explosive

Dangerous Goods Safety Act 2004

Dangerous Goods Safety (Explosives) Regulations 2007

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 (please print)

Details of person making application

Position held

Family name

Given names

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Body corporate (name as show on certificate of incorporation – an original certified copy 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

Town/suburb

State

Postcode

Postal address (complete if different from above)

Unit no.

Street no.

Lot no.

Street

PO box no.

Town/suburb

State

Postcode

2. 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 Explosives Quantity (NEQ)

Has an authorisation request for this explosive been refused by another Competent Authority?

Yes No If 'yes', please specify which Competent Authority

Has the explosive been authorised in any other jurisdiction? Yes No

If 'yes', where? SA NT WA TAS QLD ACT VIC NSW

Department of Defence? Overseas: please specify

Please provide documentation to support claims.

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

Town/suburb State Postcode

Country of manufacture

Number of years that explosive has been manufactured by that manufacturer

3. Explosives formulation and characteristics

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

Constituent	Content and tolerances (% W/W)

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 Material Safety Data Sheet attached? Yes No

Is a Technical Data Sheet attached? Yes No

4. Construction of explosive articles

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

5. 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

6. Packaging details

UN Packaging Approval no.	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 Australian Explosives Code

Description of packaging

Inner

Intermediate

Outer

Labelling

Outer package - tick box if shown

Item	Tick if shown	Size of print	Item	Tick if shown	Details
Proper shipping name			Lot and batch number		
Authorised name			Name and Australian address		
UN number			Date of manufacture		
Class label			Package approval no.		
Subsidiary label			Other markings		
Word 'EXPLOSIVE'					

Labelling (cont'd)

Inner package - tick box if shown

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

7. Technical and 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 provide further details.

8. 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 provide Competent Authority approval details.

Other relevant information (please specify)

9. Applicant's declaration

I certify that the details contained in this application are true and correct and I have enclosed the necessary documentation and fees.

Name Position

Signature of applicant Date / /

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

- A completed and signed application form
- 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
- An original certified copy of Australian certificate of incorporation (if applicable as per Part 1)
- 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 authorisation fee (refer Schedule of fees on website)

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.

11. Payment details

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

Application no. (office use only)

Application for authorisation of explosives (complete this section if paying by credit card)

Card number

Expiry date /

Card type (please tick) Master Card Visa

Cardholder's name

Amount

Signature

Phone number of card holder

Date / /