

ENVIRONMENTAL RISK MANAGEMENT AUTHORITY

THE BULLETIN

The Bulletin is published approximately eleven times per year. It is an official record of applications being processed, the Authority's decisions, and other activities under the Hazardous Substances and New Organisms (HSNO) Act 1996. The Bulletin – and further information on the application process are available on the ERMA New Zealand website: www.ermanz.govt.nz. The Bulletin can also be ordered by electronic subscription through bulletin@ermanz.govt.nz

NEW ORGANISMS

NOTIFIED APPLICATIONS RECEIVED AND OPEN FOR SUBMISSIONS

There are no new organism applications currently open for submissions.

NON-NOTIFIED APPLICATIONS RECEIVED

Application Code: S0603004

Applicant: Jonty Somers

Purpose: To have *Rhododendron scopulorum* declared not a new organism under section 26 of the HSNO Act 1996

Date Application Received: 12 June 2003

DECISIONS ON APPLICATIONS

There have been no decisions made by the Authority during this period.

DELEGATED AUTHORITY

The Environmental Risk Management Authority reached a decision on the following application on 13 June 2003

Application Code: GMD02087

Applicant: Victoria University of Wellington

Purpose: To develop native New Zealand parrot microsatellites to be used to ascertain genetic variation in native New Zealand parrot populations and related parrot species and to sequence parrot DNA from target loci

Description of Organisms: *Escherichia coli* (Migula, 1895) Castellani and Chalmers 1919 K12 and B strain derivatives modified by non-conjugative plasmid or phage vectors containing genetic material from native New Zealand parrots of the genera *Nestor*, *Strigops* and *Cyanoramphus*

Decision: Approved with Controls

ERMA Approval Codes: GMD002699

Controls:

In order to provide for the matters detailed in Part 1 of the Third Schedule of the Act: Matters to be Addressed by Containment Controls for Importing, Developing or Field Testing of Genetically Modified Organisms, the approved organisms¹ are subject to the following controls:

1. To limit the likelihood of any accidental release of any organism or any viable genetic material².

- 1.1 The approved organism shall be developed and maintained within a containment facility which complies with these controls.
- 1.2 The person responsible for a particular research area and/or the person responsible for the operation of the containment facility shall inform all personnel involved in the handling of the organisms of the Authority's controls.

¹ Bold headings refer to Matters to be Addressed by Containment Controls for Development and Field Testing of Genetically Modified Organisms, specified in the Third Schedule of the HSNO Act 1996.

² Viable Genetic Material is biological material that can be resuscitated to grow into tissues or organisms. It can be defined to mean biological material capable of growth even though resuscitation procedures may be required, eg when organisms or parts thereof are sub lethally damaged by being frozen, dried, heated, or affected by a chemical.

Please feel free to photocopy this material. Acknowledgement of ERMA New Zealand would be appreciated.

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ENVIRONMENTAL RISK MANAGEMENT AUTHORITY
NGĀ KAIWHAKATŪPATO WHAKARARU TAIAO



- 1.3 The construction and operation of the containment facility in which the organisms are maintained, shall be in accordance with the:

MAF/ERMA New Zealand Standard 154.03.02: Containment Facilities for Micro organisms, at laboratory Physical Containment Level 1 (PC1).

Australian New Zealand Standard AS/NZS 2243.3:2002 Safety in Laboratories: Part 3: Microbiological aspects of containment and facilities.

- 1.4 The facility shall be approved and registered by MAF as a containment facility under section 39 of the Biosecurity Act, in accordance with the MAF/ERMA New Zealand Standard 154.03.02, and controls imposed by the Authority.

2. To exclude unauthorised people from the facility.

- 2.1 Construction and operation of the containment facility shall comply with the requirements of the standards listed in control 1.3 relating to the identification of entrances, numbers of and access to entrances and security requirements for the entrances and the facility.

3. To exclude other organisms from the facility and to control undesirable and unwanted organisms within the facility.

- 3.1 Construction and operation of the containment facility shall comply with the requirements of the standards listed in control 1.3 relating to the exclusion of other organisms from the facility and the control of undesirable and unwanted organisms within the facility.

4. To prevent unintended release of the organism by experimenters working with the organism.

- 4.1 Construction and operation of the containment facility shall comply with the requirements of the standards listed in control 1.3 relating to the prevention of unintended release of the organism by experimenters working with the organism.

5. To control the effects of any accidental release or escape of an organism.

- 5.1 Construction and operation of the containment facility shall comply with the requirements of the standards listed in control 1.3 relating to controlling the effects of any accidental release or escape of an organism.
- 5.2 If for any reason a breach of containment occurs, the facility Supervisor³, MAF Biosecurity Authority and ERMA New Zealand shall be

notified immediately the event is noticed (and at least within 24 hours of the breach being detected).

- 5.3 In the event of any breach of containment of the organism, the contingency plan for the attempted retrieval or destruction of any viable material of the organisms that have escaped shall be implemented immediately. The contingency plan shall be included in the containment manual in accordance with the requirements of standards listed in control 1.3.

6. Inspection and monitoring requirements for containment facilities.

- 6.1 The operation of the containment facilities shall comply with the requirements contained in the standards listed in control 1.3 relating to the inspection and monitoring requirements for containment facilities.
- 6.2 The Authority, or its authorised agent or properly authorised enforcement officers, may inspect the facilities at any reasonable time.
- 6.3 The containment manual shall be updated, as necessary, to address the implementation of the controls imposed by this approval, in accordance with the standards listed in control 1.3.

7. Qualifications required of the persons responsible for implementing those controls.

- 7.1 The training of personnel working in the facility shall be in compliance with the standards listed in control 1.3.

8. Additional Control.

- 8.1 Any publications arising from this approval shall be provided to Te Rununga o Ngai Tahu, Tanenuiarangi Manawatu Incorporated and Ngāti Kahungunu Iwi Incorporated.

The Environmental Risk Management Authority reached a decision on the following application on 20 June 2003

Application Code: GMD03055

Applicant: Trees and Technology Limited

Purpose: Extension of an existing approval (GMD001800) for modification of *Eucalyptus occidentalis*, to include cassettes containing floral regulatory genes and promoters and the *barnase* and *barstar* coding sequences, and/or cassettes affecting wood properties

Description of Organisms: *Eucalyptus occidentalis* Endl 1837 modified by plant genes affecting secondary vascular development and

³ An inspector appointed under the Biosecurity Act.

flowering as well as the *barnase* and *barstar* genes from *Bacillus amyloliquefaciens*.

Agrobacterium tumefaciens (Smith & Townsend 1907) Conn 1942 disarmed strains modified by binary plasmid vectors containing plant genes affecting secondary vascular development and flowering as well as the *barnase* and *barstar* genes from *Bacillus amyloliquefaciens*.

Escherichia coli (Migula 1895) Castellani & Chalmers 1919 K12 and B derivatives modified by non-conjugative vectors containing plant genes affecting secondary vascular development and flowering as well as the *barnase* and *barstar* genes from *Bacillus amyloliquefaciens*.

Decision: Approved with Controls

ERMA Approval Codes: GMD002700 — GMD002702

Controls:

In order to address Part 1 of the Third Schedule of the Act: Containment Controls for Importing, Developing and Field Testing of Genetically Modified Organisms, the approved organisms are subject to the following controls:

1. The operation, management and construction of the facility shall be in accordance with:
 - a) The MAF Biosecurity Authority/ERMA New Zealand Standard 154.03.02 and 155.04.09: Containment Facilities for Micro organisms and Containment Facilities for new organisms (including genetically modified organisms) of plant species.
 - b) Australian/New Zealand Standard (AS/NZS) 2243.3 Safety in Laboratories: Part 3: Microbiological aspects and containment facilities, at Physical Containment Level 2 (PC2).
 2. The facility shall be approved and registered by MAF Biosecurity Authority as a containment facility under section 39 of the Biosecurity Act, in accordance with the MAF Biosecurity Authority/ERMA New Zealand Standards [154.03.02 and 155.04.09], with the additional controls as listed below.
 3. If for any reason a breach of containment occurs the applicant shall notify the facility Supervisor and ERMA New Zealand immediately the event is noticed (and at least within 24 hours of the breach being detected) and shall immediately implement a contingency plan for the recovery and eradication of any organisms or viable material that has escaped.
 4. All culture products and associated materials shall be autoclaved, sterilised, or incinerated before being disposed of.
 5. The Authority or its authorised agent or properly authorised enforcement officers, may inspect the facilities at any reasonable time.
 6. The person responsible for developing and using the organisms approved herein shall inform all personnel involved in the handling of the organisms of the IBSCs controls.
 7. In-vitro plant cultures infected with *Agrobacterium* shall be treated in the laboratory with an antibiotic e.g. timentin suitable for the elimination of *Agrobacterium* species before being transferred to the PC2 plant house containment facility.
 8. Before maturation of flowers, all reproductive structures shall be removed or securely enclosed by a pollination bag so as to ensure that no pollen or seeds shall become dispersed in the containment house or beyond.
 9. All genetically modified plant material (including roots and used soil) not required for reference or analysis purposes shall be autoclaved before disposal.
 10. Seeds, other viable genetic material or soil samples retained for analysis or reference purposes shall be collected and securely stored in sealed containers within PC2 laboratory or plant house containment as appropriate. The containers shall clearly identify the contents.
 11. Viable plant material transported to another PC2 containment facility or to an airport for export overseas shall be transported in secure containers and in accordance with the packaging requirements detailed in: Packaging Instructions no. 650 of the IATA Dangerous Goods Regulations as referred to in AS/NZ 2243.3:1995 Safety in Laboratories: Part 3 (Microbiology). Each transfer shall be recorded in the containment facility register. The applicant shall ensure that no escape of material occurs during this transfer and examination. Before transfer from the containment facility the applicant shall request approval in writing from the Supervisor in accordance with the requirements of the MAF/ERMA NZ Standard 154.04.09: Containment Facilities for New Organisms (including genetically modified organisms) of Plant Species.
 12. Plants that are in flower or are developing reproductive structures shall not be transported.
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The following applications were decided by institutions acting under delegated powers from the Authority

Applicant: Genesis Research and Development Corporation Limited

Application Code: GMD03060

Purpose: Over-expression of immune system-related genes isolated from *Mycobacterium vaccae* in mycobacteria (*Mycobacterium vaccae* and *Mycobacterium smegmatis*) and purification of the proteins expressed by these mycobacteria

Formally Received: 12 May 2003

Decision Notified: 23 May 2003

Organism Unique Identifier and Institute Code:
Mycobacterium vaccae Bonicke and Juhasz 1964 (GMO03/GR039)

Description of Organism: *Mycobacterium vaccae* modified with plasmid vector pOLYG containing PAN promoter from *Mycobacterium paratuberculosis*; hsp60 promoter is derived from *Mycobacterium bovis* BCG; His-tag; *Mycobacterium vaccae* genes
Containment: PC2
Category: (B)(b)(iv)(B)

Decision: Approved with Controls

ERMA Approval Code: GMD002698

Organism Unique Identifier and Institute Code:
Mycobacterium smegmatis Lehmann and Neumann 1899 (GMO03/GR039)

Description of Organism: *Mycobacterium smegmatis* modified with plasmid vector pOLYG containing PAN promoter from *Mycobacterium paratuberculosis*; hsp60 promoter is derived from *Mycobacterium bovis* BCG; His-tag; *Mycobacterium vaccae* genes
Containment: PC2
Category: (B)(b)(iv)(B)

Decision: Approved with Controls

ERMA Approval Code: GMD002697

Applicant: Massey University

Application Code: GMD03056

Purpose: To clone PCR products derived from sweet potato (*Ipomoea batatas*) and bottle gourd (*Lagenaria siceraria*) into low-risk, transient *Escherichia coli* strain DH5 α to obtain clean DNA sequence information and phylogenetic studies

Formally Received: 16 May 2003

Decision Notified: 28 May 2003

Organism Unique Identifier and Institute Code:
Escherichia coli (Migula 1895) Castellani & Chalmers 1919 (GMO03/MU002)

Description of Organism: *Escherichia coli* DH5 α modified with pGEM-T[®] and pGEM-T[®] Easy containing synthetic PCR products derived from sweet potato (*Ipomoea batatas*) and bottle gourd (*Lagenaria siceraria*)
Containment: PC1
Category: A(a) (i)-(iv)

Decision: Approved with Controls

ERMA Approval Code: GMD002681

Applicant: Massey University

Application Code: GMD03057

Purpose: To clone cDNAs from *Neospora caninum* or *Neospora caninum*-infected cattle to obtain sequence information and identify differentially expressed genes

Organism Unique Identifier and Institute Code:
Escherichia coli (Migula 1895) Castellani & Chalmers 1919 (GMO03/MU012)

Description of Organism: *Escherichia coli* DH5 α modified with:
1. Non-conjugative cloning vectors containing *Neospora caninum* cDNA and
2. Non-conjugative cloning vectors containing cattle cDNA
Containment: PC1
Category: 1. B(a)(i) and (b)(v)(B)
Category: 2. B(a)(i) and (b)(iv)(A)

Decision: Approved with Controls

ERMA Approval Code: GMD002682

Applicant: Massey University

Application Code: GMD03058

Purpose: To increase our understanding of the regulation of the pathway by which carbohydrate is converted into fat in eukaryotes.
(Update of GMO00/MU043)

Formally Received: 16 May 2003

Decision Notified: 28 May 2003

Organism Unique Identifier and Institute Code:
Escherichia coli (Migula 1895) Castellani & Chalmers 1919 (GMO03/MU014)

Description of Organism: *Escherichia coli* XL1 MRA (P2), *Escherichia coli* XL1 MRA, *Escherichia coli* XL1 modified with:
1. pGEM and pGL vectors containing non-coding sequences from *Bos taurus*
2. λ-FIXII bacteriophage containing sequences from *Bos taurus*
Containment: PC2
Category: B(a)(ii) and (b)(iv)(A)

Decision: Approved with Controls

ERMA Approval Code: GMD002683

Applicant: Massey University

Application Code: GMD03059

Purpose: To sequence DNA from non-native mitochondria and/or chloroplasts by modifying strains of *Escherichia coli* with standard low-risk plasmids that contain such DNA

Organism Unique Identifier and Institute Code:
Escherichia coli (Migula 1895) Castellani & Chalmers 1919 (GMO03/MU017)

Description of Organism: *Escherichia coli* strains DH5α or TOP10 modified with pGemT[®] or pGemT[®]-easy or pCR-4Blunt-TOPO fragments (about 2kb) of mitochondrial and chloroplast DNA from exotic plants and invertebrates
Containment: PC1
Category: A (a) (i)-(iv)

Decision: Approved with Controls

ERMA Approval Code: GMD002684

Applicant: Massey University

Application Code: GMD03066

Purpose: To isolate genotyping markers and determine levels of relatedness among all pair-wise combinations of Taiko

Formally Received: 13 June 2003

Decision Notified: 19 June 2003

Organism Unique Identifier and Institute Code:
Escherichia coli (Migula 1895) Castellani & Chalmers 1919 (GMO03/MU015)

Description of Organism: *Escherichia coli* DH5α modified with standard pUC-based non-conjugative plasmids or lambda-based vectors with short (300-600 bp) anonymous genomic sequences from Taiko
Containment: PC1
Category: A (a) (i)-(iv)

Decision: Approved with Controls

ERMA Approval Code: GMD002705

Applicant: Massey University

Application Code: GMD03067

Purpose: Bacterial expression of non-toxic proteins with point mutations for laboratory-based biochemistry and x-ray crystallography studies

Organism Unique Identifier and Institute Code:
Escherichia coli (Migula 1895) Castellani & Chalmers 1919 (GMO03/MU016)

Description of Organism:

Escherichia coli modified with:
1. non-conjugative cloning vectors containing DNA encoding manganese and iron superoxide dismutase genes from *Escherichia coli* (strain K12), *Deinococcus radiodurans*, *Penicillium paxilli*, *Zea mays* (maize) and *Arabidopsis thaliana*
Containment: PC1
Category: A (a) (i)-(iv)

Escherichia coli modified with:
2. non-conjugative cloning vectors containing DNA encoding manganese and iron superoxide dismutase genes from *Mycobacterium lepraemurium* and *Mycobacterium spp* (*tuberculosis*, *leprae*)
Containment: PC1
Category: B(a)(i), (b)(i) and B(b)(iv)(A)

Decision: Approved with Controls

ERMA Approval Code: GMD002704

Applicant: Massey University

Application Code: GMD03068

Purpose: To prepare a collection of genes from *Mycobacterium paratuberculosis* that code for secreted proteins which will be assessed as candidate vaccines for Johne's disease in ruminant livestock.
Update of GMO99/MU079

Formally Received: 13 June 2003

Decision Notified: 19 June 2003

Organism Unique Identifier and Institute Code:
Escherichia coli (Migula 1895) Castellani & Chalmers 1919 (GMO03/MU018)

Description of Organism: *Escherichia coli* strains DH-10B, BL-21, XL 1-Blue, JM109, HB101, modified with pET 26b containing genes from *Mycobacterium paratuberculosis*
Containment: PC2
Category: B(a)(ii), (b)(iv)(A)

Decision: Approved with Controls

ERMA Approval Code: GMD002703

Applicant: University of Auckland

Application Code: GMD03064

Purpose: To develop AAV vectors expressing various reporter genes that will be used as controls for studies of gene function and development of gene therapy strategies for neurological diseases.

Update GMO00/UA032, GMO00/UA054, GMO01/UA001A, GMO02/UA019, GMO03/UA001

Formally Received: 03 June 2003

Decision Notified: 12 June 2003

Organism Unique Identifier and Institute Code:

Escherichia coli (Migula 1895) Castellani & Chalmers 1919 (GMO03/UA013)

Description of Organism: *Escherichia coli* (K12 and B strains) as modified by

1. AAV vector plasmid with: fluorescent reporter genes and their variants isolated from Jellyfish (*Aequoria victoria*), sea pansy (*Renilla reniformis*) or coral (*Discosoma spp*) or

2. non-conjugative plasmids with: fluorescent reporter genes and their variants isolated from Jellyfish (*Aequoria victoria*), sea pansy (*Renilla reniformis*) or coral (*Discosoma spp*)

Containment: PC1

Category: A (a)

Decision: Approved with Controls

ERMA Approval Code: GMD002686

Organism Unique Identifier and Institute Code:

Spodoptera frugiperda cells (GMO03/UA013)

Description of Organism: *Spodoptera frugiperda*

cells as modified by non-conjugative baculovirus vectors containing: fluorescent reporter genes and their variants isolated from Jellyfish (*Aequoria victoria*), sea pansy (*Renilla reniformis*) or coral (*Discosoma spp*)

Containment: PC1

Category: A(a)

Decision: Approved with Controls

ERMA Approval Code: GMD002687

Organism Unique Identifier and Institute Code:

Rattus norvegicus cell line (Berkenhout, 1796) (GMO03/UA013)

Description of Organism: *Rattus norvegicus* cell lines as modified by recombinant AAV vectors (r-AAV) containing: fluorescent reporter

genes and their variants isolated from Jellyfish (*Aequoria victoria*), sea pansy (*Renilla reniformis*) or coral (*Discosoma spp*)

Containment: PC2

Category: B(b)(iv)(A)

Decision: Approved with Controls

ERMA Approval Code: GMD002689

Organism Unique Identifier and Institute Code:

Mus musculus cell line Linnaeus, 1758 (GMO03/UA013)

Description of Organism: *Mus musculus* cell lines

as modified by recombinant AAV vectors (r-AAV) containing: fluorescent reporter genes and their variants isolated from Jellyfish (*Aequoria victoria*), sea pansy (*Renilla reniformis*) or coral (*Discosoma spp*)

Containment: PC2

Category: B(b)(iv)(A)

Decision: Approved with Controls

ERMA Approval Code: GMD002690

Organism Unique Identifier and Institute Code:

Homo sapiens cell line (GMO03/UA013)

Description of Organism: *Homo sapiens* cell lines

as modified by recombinant AAV vectors (r-AAV) containing: fluorescent reporter genes and their variants isolated from Jellyfish (*Aequoria victoria*), sea pansy (*Renilla reniformis*) or coral (*Discosoma spp*)

Containment: PC2

Category: B(b)(iv)(A)

Decision: Approved with Controls

ERMA Approval Code: GMD002691

Organism Unique Identifier and Institute Code:

Rattus norvegicus (Berkenhout, 1796) (GMO03/UA013)

Description of Organism: *Rattus norvegicus* as

modified by recombinant AAV vectors (r-AAV) containing: fluorescent reporter genes and their variants isolated from Jellyfish (*Aequoria victoria*), sea pansy (*Renilla reniformis*) or coral (*Discosoma spp*)

Containment: PC2

Category: B(b)(iv)A and B(b)(ii)A

Decision: Approved with Controls

ERMA Approval Code: GMD002692

Organism Unique Identifier and Institute Code:

Recombinant AAV vectors (GMO03/UA013)

Description of Organism: Recombinant AAV vectors as modified by: fluorescent reporter genes

and their variants isolated from Jellyfish (*Aequoria victoria*), sea pansy (*Renilla reniformis*) or coral (*Discosoma spp*)

Containment: PC2

Category: B(b)(iv)A

Decision: Approved with Controls

ERMA Approval Code: GMD002688

Applicant: University of Auckland

Application Code: GMD03065

Purpose: To identify and characterise Apple genes involved in controlling flowering and vegetative growth in the cultivar "Pacific Rose"

Formally Received: 03 June 2003

Decision Notified: 12 June 2003

Organism Unique Identifier and Institute Code:

Escherichia coli (Migula 1895) Castellani & Chalmers 1919 (GMO03/UA014)

Description of Organism: *Escherichia coli* (K12 and B strains) as modified by nonconjugative vectors carrying Apple (*Malus x domestica*) floral meristem identity, floral organ identity genes, flowering regulation, hormone signal transduction and metabolic genes

Containment: PC1

Category: A (a)

Decision: Approved with Controls

ERMA Approval Code: GMD002695

Organism Unique Identifier and Institute Code:

Agrobacterium tumefaciens (Smith & Townsend 1907) Conn 1942 (GMO03/UA014)

Description of Organism: *Agrobacterium tumefaciens* (non tumourogenic strains) as modified by Apple (*Malus x domestica*) floral meristem identity, floral organ identity genes, flowering regulation, hormone signal transduction and metabolic genes

Containment: PC2

Category: B(b) iv A

Decision: Approved with Controls

ERMA Approval Code: GMD002693

Organism Unique Identifier and Institute Code:

Arabidopsis thaliana (L.) Heynh (1842) (GMO03/UA014)

Description of Organism: *Arabidopsis thaliana* as modified by *Agrobacterium tumefaciens*

vectors carrying Apple (*Malus x domestica*) floral meristem identity, floral organ identity genes, flowering regulation, hormone signal transduction and metabolic genes

Containment: PC2

Category: B(b) iii

Decision: Approved with Controls

ERMA Approval Code: GMD002694

Organism Unique Identifier and Institute Code:

Nicotiana tabacum (GMO03/UA014)

Description of Organism: *Nicotiana tabacum* as modified by *Agrobacterium tumefaciens* vectors carrying Apple (*Malus x domestica*) floral meristem identity, floral organ identity genes, flowering regulation, hormone signal transduction and metabolic genes

Containment: PC2

Category: B(b) iii

Decision: Approved with Controls

ERMA Approval Code: GMD002696

Applicant: University of Otago

Application Code: GMD03061

Purpose: New strains of mice will be developed to increase our understanding of the most common forms of inherited kidney disease, by enabling cells to be grown and studied in culture

Formally Received: 21 May 2003

Decision Notified: 06 June 2003

Organism Unique Identifier and Institute Code:

Mus musculus Linnaeus 1758 (GMO03/UO001)

Description of Organism: *Mus musculus* C3H and C57BL/6 and derived cell lines modified with Pkd^{del34Δneo}, Pax2^{1Neu}, SV40 tsΔ58TAg

Containment: PC2

Category: B(b)(ii)(B)

Decision: Approved with Controls

ERMA Approval Code: GMD002685

AMENDMENTS TO APPROVALS

There have been no minor or technical amendments under Section 67A of the HSNO Act during this period.

HAZARDOUS SUBSTANCES

NOTIFIED APPLICATIONS RECEIVED AND OPEN FOR SUBMISSIONS

Application Code: HSR03020

Applicant: Adria New Zealand Limited

Purpose: To import Pilarking as a target-specific crop protection agent for use in onions

Date Application Received: 19 May 2003

Date Publicly Notified: 30 May 2003

Date Submissions Close: 14 July 2003

Application Code: HSR02028

Applicant: Air New Zealand

Purpose: To import for use a high temperature marking ink for airmotive gas turbine components

Date Application Received: 3 June 2003

Date Publicly Notified: 10 June 2003

Date Submissions Close: 22 July 2003

Application Code: HSR03024

Applicant: Taranaki Nuchem Limited

Purpose: To import bupirimate, a fungicide in the form of the active, and to manufacture Nimrod SC, a formulation suspension concentrate for use on domestic and export pip-fruit and cucurbit crops to control powdery mildew

Date Application Received: 16 June 2003

Date Publicly Notified: 1 July 2003

Date Submissions Close: 1 August 2003

NON-NOTIFIED APPLICATIONS RECEIVED

Application Code: HAZ03008

Applicant: Bomac Laboratories Limited

Purpose: To determine if Tendotrophin is a hazardous substance under the HSNO Act

Date Application Received: 24 June 2003

Application Code: HSC03003

Applicant: BASF New Zealand

Purpose: To import into containment BNZ 01/03 to conduct field trials to assess the efficacy of the substance in certain crops

Date Application Received: 30 June 2003

DECISIONS ON APPLICATIONS

The Environmental Risk Management Authority reached a decision on the following application on 3 June 2003

Application code: HSR02061

Applicant: Fort Dodge New Zealand Limited

Purpose: To import Moxidectin/Praziquantel Equine Gel which is intended for use as a broad-spectrum anthelmintic in horses

Identifier for Substance: Moxidectin/Praziquantel Equine Gel

Classification: 3.1C, 6.1D, 6.3A, 6.4A, 6.5B, 6.9A, 9.1A, 9.2C, 9.3C

Decision: Approved with Controls

ERMA Approval Code: HSR000055

Controls:

Control Code ⁴	Regulation ⁵	Explanation ⁶
	Hazardous Substances (Classes 1 to 5 Control Regulations) Regulations 2001 – Flammable Property Controls	
F1	Regulation 7	General test certification requirements for all class 1 to 5 substances
F3	Regulation 55	General limits on flammable substances

⁴ Note: The numbering system used in this column relates to the coding system used in the ERMA New Zealand Controls Matrix. This links the hazard classification categories to the regulatory controls triggered by each category. It is available from ERMA New Zealand and is also contained in the ERMA New Zealand *User Guide to the Controls Regulations*.

⁵ These regulations form the controls applicable to this substance. Refer to the cited regulations for the formal specification, and for definitions and exemptions. The accompanying explanation is intended for guidance only.

⁶ These explanations are for guidance only. Refer to the cited regulations for the formal specification, and for definitions and exemptions.

F5	Regulations 58 — 59	Requirements regarding hazardous atmosphere zones for flammable liquids (3.1)
F6	Regulations 60 — 70	Requirements to prevent unintended ignition of flammable liquids (3.1)
F11	Regulation 76	Segregation of incompatible substances
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Toxic Property Controls		
T1	Regulations 11 — 27	Limiting exposure to toxic substances
T7	Regulation 10	Restrictions on the carriage of hazardous substances on passenger service vehicles
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Ecotoxic Property Controls		
E1	Regulations 32 — 45	Limiting exposure to ecotoxic substances
Hazardous Substances (Identification) Regulations 2001		
I1	Regulations 6, 7, 32 — 35, 36(1) — (7)	General identification requirements Regulation 6 – Identification duties of suppliers Regulation 7 – Identification duties of persons in charge Regulations 32 and 33 – Accessibility of information Regulations 34, 35, 36(1) — (7) – Comprehensibility, Clarity and Durability of information
Hazardous Substances (Packaging) Regulations 2001		
P1	Regulations 5, 6, 7(1), 8	General packaging requirements Regulation 5 – Ability to retain contents Regulation 6 – Packaging markings Regulation 7(1) – Requirements when packing hazardous substance Regulation 8 – Compatibility
P3	Regulation 9	Packaging requirements for substances packed in limited quantities
P5	Regulation 11	Packaging requirements for flammable liquids (subclass 3.1)
P13	Regulation 19	Packaging requirements for toxic substances
P15	Regulation 21	Packaging requirements for ecotoxic substances
PG3	Schedule 3	This schedule provides the test methods for packaging required to be tested in accordance with this schedule. The tests in Schedule 3 correlate to the packaging requirements of UN Packing Group III (UNPGIII).
Hazardous Substances (Disposal) Regulations 2001		
D5	Regulation 9	Disposal requirements for ecotoxic substances
D6	Regulation 10	Disposal requirements for packages
D7	Regulations 11, 12	Information requirements
D8	Regulations 13, 14	Documentation requirements
Hazardous Substances (Emergency Management) Regulations 2001		
EM1	Regulations 6, 7, 9 — 11	Level 1 emergency management information: General requirements
EM4	Regulation 8(c)	Information requirements for flammable substances
EM6	Regulation 8(e)	Information requirements for toxic substances
EM7	Regulation 8(f)	Information requirements for flammable substances
EM8	Regulations 12 — 16, 18 — 20	Level 2 emergency management information requirements

EM9	Regulation 17	Extra content for flammable substances
EM10	Regulations 21 — 24	Fire extinguishers
EM11	Regulations 25 — 34	Level 3 emergency management requirements – emergency response plans
EM12	Regulations 35 — 41	Level 3 emergency management requirements – secondary containment
EM13	Regulation 42	Level 3 emergency management requirements – signage

The Environmental Risk Management Authority reached a decision on the following application on 23 June 2003

Application code: HSR03001

Applicant: Reckitt Benckiser (New Zealand) Limited

Purpose: To import RB-2-110, a pest control product containing pyrethroid actives which is used as an insecticide aerosol spray

Identifier for Substance: RB-2-110

Classification: 2.1.2A, 9.1A, 9.4A

Decision: Approved with Controls

ERMA Approval Code: HSR000059

Controls:

Control Code ⁷	Regulation ⁸	Explanation ⁹
Hazardous Substances (Classes 1 to 5 Controls) Regulations 2001 – Flammable Property Controls		
F1	Regulation 7	General test certification requirements for class 2 substances
F3	Regulation 55	General limits on flammable substances
F4	Regulation 56	Certain flammable substances to be under the control of an approved handler
F5	Regulations 58 — 59	Requirements regarding hazardous atmosphere zones for flammable aerosols (2.1.2)
F6	Regulations 60 — 70	Requirements to prevent unintended ignition of flammable aerosols (2.1.2)
F11	Regulation 76	Segregation of incompatible substances
F12	Regulations 77 — 78	General requirement for hazardous substance locations for flammable substances
F14	Regulation 81	Test certification requirements for facilities where class 2.1.2 substances are present
F16	Regulation 83	Controls on transit depots where flammable substances are present
F17	Regulations 84 — 85	Requirements to control adverse effects of intended ignition of flammable substances, including requirements for protective equipment and clothing

7 Note: The numbering system used in this column relates to the coding system used in the ERMA New Zealand Controls Matrix. This links the hazard classification categories to the regulatory controls triggered by each category. It is available from ERMA New Zealand and is also contained in the ERMA New Zealand *User Guide to the Controls Regulations*.

8 These regulations form the controls applicable to this substance. Refer to the cited regulations for the formal specification, and for definitions and exemptions. The accompanying explanation is intended for guidance only.

9 These explanations are for guidance only. Refer to the cited regulations for the formal specification, and for definitions and exemptions.

Hazardous Substances (Compressed Gases) Regulations		
CG		<p>These regulations will provide controls on aerosol containers. They have yet to be promulgated.</p> <p>Until such time as the Hazardous Substances (Compressed Gases) Regulations comes into effect, the Committee recommends that regulations 114(a) to (c) of the Dangerous Goods (Class 2 – Gases) Regulations 1980 relating to aerosol containers should be complied with</p>
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 - Ecotoxic Property Controls		
E5	Regulations 5(2), 6	Requirements for keeping records of use
E6	Regulation 7	Requirements for equipment used to handle hazardous substances
E8	Regulation 10	General public transportation restrictions and requirements for class 2 substances
Hazardous Substances (Identification) Regulations 2001		
I1	Regulations 6, 7, 32 — 35, 36(1) — (7)	<p>General identification requirements</p> <p>Regulation 6 – Identification duties of suppliers</p> <p>Regulation 7 – Identification duties of persons in charge</p> <p>Regulations 32 and 33 – Accessibility of information</p> <p>Regulations 34, 35, 36(1) — (7) – Comprehensibility, Clarity and Durability of information</p>
I3	Regulation 9	Priority identifiers for ecotoxic substances
I5	Regulation 11	Priority identifiers for flammable substances
I9	Regulation 18	Secondary identifiers for all hazardous substances
I11	Regulation 20	Secondary identifiers for ecotoxic substances
I13	Regulation 22	Secondary identifiers for flammable substances
I19	Regulations 29 — 31	<p>Alternative information in certain cases</p> <p>Regulation 29 – Substances in fixed bulk containers or bulk transport containers</p> <p>Regulation 30 – Substances in multiple packaging</p> <p>Regulation 31 – Alternative information when substances are imported</p>
I23	Regulation 41	Specific documentation requirements for ecotoxic substances
I25	Regulation 43	Specific documentation requirements for flammable substances
I29	Regulations 51 — 52	Duties of persons in charge of places with respect to signage
Hazardous Substances (Disposal) Regulations 2001		
D2	Regulation 6	Disposal requirements for flammable substances
D6	Regulation 10	Disposal requirements for packages
D7	Regulations 11, 12	Information requirements for manufacturers, importers and suppliers and persons in charge
D8	Regulations 13, 14	Disposal documentation requirements
Hazardous Substances (Emergency Management) Regulations 2001		
EM1	Regulations 6, 7, 9 — 11	Level 1 emergency management information: General requirements
EM4	Regulation 8(c)	Additional information requirements for flammable substances

EM7	Regulation 8(f)	Information requirements for ecotoxic substances
EM8	Regulations 12 — 16, 18 — 20	Level 2 emergency management information requirements
EM9	Regulation 17	Extra content for flammable substances
EM10	Regulations 21 — 24	Fire extinguishers
EM11	Regulations 25 — 34	Level 3 emergency management requirements – emergency response plans
EM12	Regulations 35 — 41	Level 3 emergency management requirements – secondary containment
EM13	Regulation 42	Level 3 emergency management requirements – signage
Hazardous Substances (Personnel Qualification) Regulations 2001		
AH1	Regulations 4 — 6	Approved Handler requirements (including test certificate and qualification requirements)

The Environmental Risk Management Authority reached a decision on the following application on 5 June 2003

Application code: HSR03002

Applicant: Reckitt Benckiser (New Zealand) Limited

Purpose: To import RB-2-109, a pest control product containing pyrethroid actives which is used as a domestic use insecticide aerosol spray

Identifier for Substance: RB-2-109

Classification: 2.1.2A , 9.1A , 9.4A

Decision: Approved with Controls

ERMA Approval Code: HSR000056

Controls:

Control Code ¹⁰	Regulation ¹¹	Explanation ¹²
Hazardous Substances (Classes 1 to 5 Controls) Regulations 2001 – Flammable Property Controls		
F1	Regulation 7	General test certification requirements for class 2 substances
F3	Regulation 55	General limits on flammable substances Where RB-2-109 is present at a place for longer than 18 hours, and in a quantity that exceeds 3,000 L (aggregate water capacity), it must be held at a hazardous substance location (F12, regulations 77 — 78), or transit depot (F16, regulation 83), as appropriate.
F4	Regulation 56	Certain flammable substances to be under the control of an approved handler
F5	Regulations 58 — 59	Requirements regarding hazardous atmosphere zones for flammable aerosols (2.1.2)
F6	Regulations 60 — 70	Requirements to prevent unintended ignition of flammable aerosols (2.1.2)
F11	Regulation 76	Segregation of incompatible substances

¹⁰ Note: The numbering system used in this column relates to the coding system used in the ERMA New Zealand Controls Matrix. This links the hazard classification categories to the regulatory controls triggered by each category. It is available from ERMA New Zealand and is also contained in the ERMA New Zealand *User Guide to the Controls Regulations*.

¹¹ These regulations form the controls applicable to this substance. Refer to the cited regulations for the formal specification, and for definitions and exemptions. The accompanying explanation is intended for guidance only.

¹² These explanations are for guidance only. Refer to the cited regulations for the formal specification, and for definitions and exemptions.

F12	Regulations 77 — 78	General requirement for hazardous substance locations for flammable substances
F14	Regulation 81	Test certification requirements for facilities where class 2.1.2 substances are present
F16	Regulation 83	Controls on transit depots where flammable substances are present
F17	Regulations 84 — 85	Requirements to control adverse effects of intended ignition of flammable substances, including requirements for protective equipment and clothing
Hazardous Substances (Compressed Gases) Regulations		
CG		These regulations will provide controls on aerosol containers. They have yet to be promulgated. Until such time as the Hazardous Substances (Compressed Gases) Regulations comes into effect, the Committee recommends that regulations 114(a) to (c) of the Dangerous Goods (Class 2 – Gases) Regulations 1980 relating to aerosol containers should be complied with
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 - Ecotoxic Property Controls		
E5	Regulations 5(2), 6	Requirements for keeping records of use
E6	Regulation 7	Requirements for equipment used to handle hazardous substances
E8	Regulation 10	General public transportation restrictions and requirements for class 2 substances
Hazardous Substances (Identification) Regulations 2001		
I1	Regulations 6, 7, 32 — 35, 36(1) — (7)	General identification requirements Regulation 6 – Identification duties of suppliers Regulation 7 – Identification duties of persons in charge Regulations 32 and 33 – Accessibility of information Regulations 34, 35, 36(1) — (7) – Comprehensibility, Clarity and Durability of information
I3	Regulation 9	Priority identifiers for ecotoxic substances
I5	Regulation 11	Priority identifiers for flammable substances
I9	Regulation 18	Secondary identifiers for all hazardous substances
I11	Regulation 20	Secondary identifiers for ecotoxic substances
I13	Regulation 22	Secondary identifiers for flammable substances
I19	Regulations 29 — 31	Alternative information in certain cases Regulation 29 – Substances in fixed bulk containers or bulk transport containers Regulation 30 – Substances in multiple packaging Regulation 31 – Alternative information when substances are imported
I21	Regulations 37 — 39, 47 — 50	Documentation required in places of work Regulation 37 – Documentation duties of suppliers Regulation 39 – General content requirements for documentation Regulation 47 – Information not included in approval Regulation 48 – Location and presentation requirements for documentation Regulation 49 – Documentation requirements for vehicles Regulation 50 – Documentation to be supplied on request
I23	Regulation 41	Specific documentation requirements for ecotoxic substances
I25	Regulation 43	Specific documentation requirements for flammable substances
I29	Regulations 51 — 52	Duties of persons in charge of places with respect to signage

Hazardous Substances (Disposal) Regulations 2001		
D2	Regulation 6	Disposal requirements for flammable substances
D6	Regulation 10	Disposal requirements for packages
D7	Regulations 11, 12	Information requirements for manufacturers, importers and suppliers and persons in charge
D8	Regulations 13, 14	Disposal documentation requirements
Hazardous Substances (Emergency Management) Regulations 2001		
EM1	Regulations 6, 7, 9 — 11	Level 1 emergency management information: General requirements
EM4	Regulation 8(c)	Additional information requirements for flammable substances
EM7	Regulation 8(f)	Information requirements for ecotoxic substances
EM8	Regulations 12 — 16, 18 — 20	Level 2 emergency management information requirements
EM9	Regulation 17	Extra content for flammable substances
EM10	Regulations 21 — 24	Fire extinguishers
EM11	Regulations 25 — 34	Level 3 emergency management requirements – emergency response plans
EM12	Regulations 35 — 41	Level 3 emergency management requirements – secondary containment
EM13	Regulation 42	Level 3 emergency management requirements – signage
Hazardous Substances (Personnel Qualification) Regulations 2001		
AH1	Regulations 4 — 6	Approved Handler requirements (including test certificate and qualification requirements)

The Environmental Risk Management Authority reached a decision on the following application on 6 June 2003

Application code: TNS03002

Applicant: McKay Shipping Limited

Purpose: To tranship class explosives through New Zealand

Identifier for Substance: Explosives on board the TEIGNBANK

Decision: Approved with Controls

ERMA Approval Code: TNS000020

Controls:

- | | |
|---|--|
| <p>6.1 The consignment shall comply with all the relevant provisions of the IMDG code for explosives of the type involved in this shipment. In addition, the following additional controls are stipulated:</p> <p>6.2 Handling and storage of the consignment is to be in accordance with “The handling of Explosives at the Port of Auckland and Onehunga Guidelines”.</p> <p>6.3 Containers 3 (ECMU 120638/0), 4 (TRLU 323444/2), 5 (TRLU 233938/8) and 8 (IPXU 300075/0) are to be discharged by shore crane to the Explosive Barge and moved to the Explosives Anchorage.</p> | <p>6.4 The barge will return to the terminal, one hour prior to the vessel sailing, for the shore crane to lift the containers back on to the vessel.</p> <p>6.5 The remaining containers of explosives must be stored in a part of the ship not affected by work being carried out on other containers.</p> <p>6.6 While in transit in New Zealand, the containers must be sealed and not opened unless deemed necessary in response to an emergency.</p> |
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The Environmental Risk Management Authority reached a decision on the following application on 13 June 2003

Application code: HSR03005

Applicant: Fort Dodge New Zealand Limited

Purpose: To import CYDECTIN Plus Fluke which is intended for use as a broad-spectrum anthelmintic for use on production animals (sheep)

Identifier for Substance: CYDECTIN Plus Fluke

Classification: 6.1E, 6.3B, 6.4A, 6.5B, 6.8B, 6.9B, 9.1A

Decision: Approved with Controls

ERMA Approval Code: HSR000058

Controls:

Control Code ¹³	Regulation ¹⁴	Explanation ¹⁵
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Toxic and Ecotoxic Property Controls		
T1	Regulations 11 — 27	Limiting exposure to toxic substances
T4, E6	Regulation 7	Requirements for equipment used to handle hazardous substances
T5	Regulation 8	Requirements for protective clothing and equipment
T7, E8	Regulation 10	Restrictions on the carriage of hazardous substances on passenger service vehicles
E1	Regulations 32 — 45	Limiting exposure to ecotoxic substances
E5	Regulations 5(2), 6	Requirements for keeping records of use
Hazardous Substances (Identification) Regulations 2001		
I1	Regulations 6, 7, 32 — 35, 36(1) — (7)	General identification requirements Regulation 6 – Identification duties of suppliers Regulation 7 – Identification duties of persons in charge Regulations 32 and 33 – Accessibility of information Regulations 34, 35, 36(1) — (7) – Comprehensibility, Clarity and Durability of information
I3	Regulation 9	Priority identifiers for ecotoxic substances
I8	Regulation 14	Priority identifiers for certain toxic substances
I9	Regulation 18	Secondary identifiers for all hazardous substances
I11	Regulation 20	Secondary identifiers for ecotoxic substances
I16	Regulation 25	Secondary identifiers for toxic substances
I17	Regulation 27	Use of Generic Names
I18	Regulation 27	Use of Concentration Ranges
I19	Regulations 29 — 31	Alternative information in certain cases Regulation 29 – Substances in fixed bulk containers or bulk transport containers Regulation 30 – Substances in multiple packaging Regulation 31 – Alternative information when substances are imported

¹³ Note: The numbering system used in this column relates to the coding system used in the ERMA New Zealand Controls Matrix. This links the hazard classification categories to the regulatory controls triggered by each category. It is available from ERMA New Zealand and is also contained in the ERMA New Zealand *User Guide to the Controls Regulations*.

¹⁴ These regulations form the controls applicable to this substance. Refer to the cited regulations for the formal specification, and for definitions and exemptions. The accompanying explanation is intended for guidance only.

¹⁵ These explanations are for guidance only. Refer to the cited regulations for the formal specification, and for definitions and exemptions.

I21	Regulations 37 — 39, 47 — 50	Documentation required in places of work Regulation 37 – Documentation duties of suppliers Regulation 38 – Documentation duties of persons in charge of places of work Regulation 39 – General content requirements for documentation Regulation 47 – Information not included in approval Regulation 48 – Location and presentation requirements for documentation Regulation 49 – Documentation requirements for vehicles Regulation 50 – Documentation to be supplied on request
I23	Regulation 41	Specific documentation requirements for ecotoxic substances
I28	Regulation 46	Specific documentation requirements for toxic substances
I29	Regulations 51 — 52	Duties of persons in charge of places with respect to signage
I30	Regulation 53	Advertising toxic substances
Hazardous Substances (Packaging) Regulations 2001		
P1	Regulations 5, 6, 7(1), 8	General packaging requirements Regulation 5 – Ability to retain contents Regulation 6 – Packaging markings Regulation 7(1) – Requirements when packing hazardous substance Regulation 8 – Compatibility
P3, P13, P15, PG3	Regulation 9, 19, 21 Schedule 3	Packaging requirements for CYDECTIN Plus Fluke
Hazardous Substances (Disposal) Regulations 2001		
D4, D5	Regulation 8, 9	Disposal requirements for toxic and ecotoxic substances
D6	Regulation 10	Disposal requirements for packages
D7	Regulations 11, 12	Disposal information requirements
D8	Regulations 13, 14	Disposal documentation requirements
Hazardous Substances (Emergency Management) Regulations 2001		
EM1, EM6, EM7	Regulations 6, 7, 8(e), 8(f), 9 — 11	Level 1 emergency management information requirements
EM8	Regulations 12 — 16, 18 — 20	Level 2 emergency management information requirements
EM11	Regulations 25 — 34	Level 3 emergency management requirements – emergency response plans
EM12	Regulations 35 — 41	Level 3 emergency management requirements – secondary containment
EM13	Regulation 42	Level 3 emergency management requirements – signage

The Environmental Risk Management Authority reached a decision on the following application on 11 June 2003

Application code: HSR03006

Applicant: Rentokil Initial Limited

Purpose: To import PyGo, an insecticide for use against flying and crawling insects in domestic and industrial situations by professional pest controllers

Identifier for Substances: PyGo

Classification: 3.1D, 6.1E, 6.9B, 9.1A, 9.4A

Decision: Approved with Controls

ERMA Approval Code: HSR000057

Controls:

Control Code ¹⁶	Regulation ¹⁷	Explanation ¹⁸
Hazardous Substances (Classes 1 to 5 Control Regulations) Regulations 2001 – Flammable Property Controls		
F6	Regulations 60 — 70	Requirements to prevent unintended ignition of flammable gases (2.1.1) aerosols (2.1.2) and liquids (3.1)
F11	Regulation 76	Segregation of incompatible substances
F17	Regulations 84 — 85	Requirements to control adverse effects of intended ignition of flammable substances, including requirements for protective equipment and clothing
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Toxic Property Controls		
T2	Regulations 29, 30	Controlling exposure in places of work
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 - Ecotoxic Property Controls		
E1	Regulations 32 — 45	Limiting exposure to ecotoxic substances
E2	Regulations 46 — 48	Restrictions on use within application area
E3	Regulation 49	Controls relating to protection of terrestrial invertebrates eg. beneficial insects
E5	Regulations 5(2), 6	Requirements for keeping records of use
E6	Regulation 7	Requirements for equipment used to handle hazardous substances
E8	Regulation 10	Restrictions on the carriage of hazardous substances on passenger service vehicles
Hazardous Substances (Identification) Regulations 2001		
11	Regulations 6, 7, 32 — 35, 36(1) — (7)	General identification requirements Regulation 6 – Identification duties of suppliers Regulation 7 – Identification duties of persons in charge Regulations 32 and 33 – Accessibility of information
13	Regulation 9	Priority identifiers for ecotoxic substances
15	Regulation 11	Priority identifiers for flammable substances
18	Regulation 14	Priority identifiers for certain toxic substances
19	Regulation 18	Secondary identifiers for all hazardous substances

¹⁶ Note: The numbering system used in this column relates to the coding system used in the ERMA New Zealand Controls Matrix. This links the hazard classification categories to the regulatory controls triggered by each category. It is available from ERMA New Zealand and is also contained in the ERMA New Zealand *User Guide to the Controls Regulations*.

¹⁷ These regulations form the controls applicable to this substance. Refer to the cited regulations for the formal specification, and for definitions and exemptions. The accompanying explanation is intended for guidance only.

¹⁸ These explanations are for guidance only. Refer to the cited regulations for the formal specification, and for definitions and exemptions.

I11	Regulation 20	Secondary identifiers for ecotoxic substances
I13	Regulation 22	Secondary identifiers for flammable substances
I16	Regulation 25	Secondary identifiers for toxic substances
I17	Regulation 26	Use of Generic Names
I18	Regulation 27	Use of Concentration Ranges
I19	Regulations 29 — 31	Alternative information in certain cases Regulation 29 – Substances in fixed bulk containers or bulk transport containers. Regulation 31 – Alternative information when substances are imported
I21	Regulations 37 — 39, 47 — 50	Documentation required in places of work Regulation 37 – Documentation duties of suppliers Regulation 38 – Documentation duties of persons in charge of places of work Regulation 39 – General content requirements for documentation Regulation 47 – Information not included in approval Regulation 49 – Documentation requirements for vehicles
I23	Regulation 41	Specific documentation requirements for ecotoxic substances
I25	Regulation 43	Specific documentation requirements for flammable substances
I28	Regulation 46	Specific documentation requirements for toxic substances
I29	Regulations 51 — 52	Duties of persons in charge of places with respect to signage
I30	Regulation 53	Advertising corrosive and toxic substances
Hazardous Substances (Packaging) Regulations 2001		
P1	Regulations 5, 6, 7 (1), 8	General packaging requirements Regulation 5 – Ability to retain contents Regulation 6 – Packaging markings
P3	Regulation 9	Packaging requirements for substances packed in limited quantities
P13	Regulation 19	Packaging requirements for toxic substances
PG3	Schedule 3	This schedule provides the test methods for packaging required to be tested in accordance with this schedule. The tests in Schedule 3 correlate to the packaging requirements of UN Packing Group III (UN PGIII)
Hazardous Substances (Disposal) Regulations 2001		
D2	Regulation 6	Disposal requirements for flammable substances
D6	Regulation 10	Disposal requirements for packages
D7	Regulations 11, 12	Disposal information requirements
D8	Regulations 13, 14	Disposal documentation requirements
Hazardous Substances (Emergency Management) Regulations 2001		
EM1	Regulations 6, 7, 9 — 11	Level 1 emergency management information: General requirements
EM4	Regulation 8(c)	Additional information requirements for flammable substances
EM6	Regulation 8(e)	Information requirements for toxic substances
EM7	Regulation 8(f)	Information requirements for ecotoxic substances

EM8	Regulations 12 — 16, 18 — 20	Level 2 emergency management information requirements
EM9	Regulation 17	Extra content for flammable and oxidising substances and organic peroxides
EM10	Regulations 21 — 24	Fire extinguishers
EM11	Regulations 25 — 34	Level 3 emergency management requirements – emergency response plans
EM12	Regulations 35 — 41	Level 3 emergency management requirements – secondary containment
EM13	Regulation 42	Level 3 emergency management requirements – signage

DELEGATED AUTHORITY

There have been no delegated decisions decided by the ERMA New Zealand Chief Executive in this period.

AMENDMENTS TO APPROVALS

There have been no minor or technical amendments under Section 67A of the HSNO Act during this period.

TEST CERTIFIERS

There have been no test certifiers approved within this period.



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