Ministry for Primary Industries
Manatū Ahu Matua

Guidance Document

Approved Maintenance Compounds

(Non-Dairy) Manual

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Title

Guidance Document: Approved Maintenance Compounds (Non-Dairy) Manual

About this document

This document contains three parts,

- Part A: Approvals.
- Part B: Guidance – General, and
- Part C: Additional Guidance – Specifically for Applicants.

Document history

Version Date	Section Changed	Change(s) Description
July 2007		
October 2019	All	New format and branding General update
August 2020	4.1.10 C 31 C 42	• Addition of Generically Approved Hand Sanitisers for Covid-19 Response • C 31 and C 38 consolidated to C 31 only • Amendment to C 42 Conditions
May 2023	All	• References to legislation updated • Out-of-date addresses and links replaced • GRAS register for feed additives used in oral nutritional compounds has been revoked. • Meat marking inks removed as specific inks are enforced in Animal Products Notice: Production, Supply and Processing - Schedule 3 • Animal consumption RMP guidance updated to reflect current legislation • Updated use of maintenance compounds/cleaning chemicals in other food processing situations
June 2025	All	• Minor adjustments to the wording for codes for consistency (no change to technical requirements or intent) • Updates to some references. • Clarification of some definitions.
February 2026	All	• Update to Definitions to clarify the use of “edible” and “food” • Minor adjustments to the wording for codes for clarity meaning with respect to edible areas (no change to technical requirements or intent) • Intended use appended to approval codes. • New code for rinse aid (reallocating the unused code C 38).

Contact Details

Approvals Group
Ministry for Primary Industries (MPI)
PO Box 2526
Wellington 6140.

Email: animal.products@mpi.govt.nz or approvals@mpi.govt.nz

Telephone: 04 894 2550

Disclaimer

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1 Purpose

1.1 Scope and application

This manual only applies to maintenance compounds used by operators processing non-dairy animal products who are operating under the Animal Products Act (APA) regime. Of paramount importance is the protection of food and edible product from the effects of chemical substances which could contaminate the product as a consequence of odours and residues remaining on food contact surfaces.

Where animal product or material is intended for:

(1) **human consumption**: all maintenance compounds used must be approved, either uniquely or generically, and used in accordance with the conditions imposed by MPI on their use; or

(2) **animal consumption**: all maintenance compounds used at an animal consumption RMP must be approved, either uniquely or generically, and used in accordance with the conditions imposed by MPI on their use; or

Any approved maintenance compound required during any corrective action or maintenance activity must be used according to the conditions of its approval. When processing in an area has ceased for routine or programmed maintenance the requirement to use approved maintenance compounds no longer applies. Once the routine or programmed maintenance has been completed the affected parts of the room and affected equipment must be subjected to wet cleaning to remove chemical residues followed by a pre-operation hygiene check before production starts.

A list of approved non-dairy maintenance compounds is available at **Register of approved maintenance compounds**

A list of approval codes (with intended use) and conditions is available at **Approval codes for maintenance compounds**

Use of maintenance compounds / cleaning chemicals in other food processing situations in New Zealand

Animal Products Act (APA) – dairy processing
Maintenance compounds (chemicals) used in and around farm dairies must be approved by MPI for use in farm dairies.

Maintenance compounds used in dairy manufacturing premises and dairy stores don't have to be approved by MPI, but they must be suitable for the intended use, and the dairy processor or RMP operator must have evidence that the maintenance compounds are suitable. This can be shown by the dairy processor or RMP operator undertaking their own assessment, or by using maintenance compounds approved by MPI for the intended use.

Maintenance compounds used for in other dairy processing activities, such as cleaning, sanitising, or maintaining tankers, transport containers (tanks) and transport units, must be approved by MPI.

A list of approved dairy maintenance compounds is also available at **Register of approved maintenance compounds**

Where an operator is undertaking both dairy and non-dairy processing in the same area the requirements relating to dairy, as outlined above, apply. In general, this would mean the use of approved maintenance compounds.

Food Act 2014
Operators processing food under the Food Act are not required to use approved maintenance compounds / chemicals. These operators must determine that the maintenance compounds / chemicals that they use will not adversely affect the food being processed. Some operators voluntarily elect to use APA (Non-dairy) approvals to assist with determining the acceptability of compounds.

Other legislation
This manual may assist approval holders and operators to meet other legislative requirements relating to approved maintenance compounds.

Approval holders and operators are responsible for ensuring that they are familiar with and comply with other legislation relevant to approved maintenance compounds. This includes, but is not limited to, the following Acts, and their associated regulations and specifications:

- Hazardous Substances and New Organisms Act 1996, e.g. approved handler certificates; and
- Health and Safety at Work Act 2015, e.g. label statements and storage requirements.

1.2 Outcome

The use of maintenance compounds by an operator must not affect the suitability for processing of animal material, or fitness for intended purpose of the animal product, whether for human or animal consumption.

1.3 General principles

Maintenance compounds must be handled in such a manner that the suitability for processing of animal material, the fitness for intended purpose of the animal product, the processing environment, equipment or personnel is not adversely affected.

1.4 Documentation

The operator must document the procedures for the handling of maintenance compounds that are appropriate to the particular operation. The procedures must provide for a person who is trained in the use of maintenance compounds, an inventory of compounds and the management of maintenance compounds so that animal material or product for human or animal consumption, and the processing environment do not become contaminated.

1.5 Maintenance compounds

All maintenance compounds used by an operator must be clearly labelled. If it is an approved maintenance compound, the name must be as it appears on the list of approved maintenance compounds: **Register of approved maintenance compounds**.

1.6 Trained personnel

The access, handling and use of chemical compounds must be under the supervision of trained personnel.

1.7 Storage of maintenance compounds

1.7.1 General requirement

Maintenance compounds must be kept in closed containers in dedicated facilities and a sufficient distance from animal material, product, packaging material and ingredients so that there can be no possibility of contamination.

Maintenance compounds must be stored in accordance with any directions for storage that are provided by the supplier.

1.7.2 Labelling

All containers of maintenance compounds must be labelled. If bulk maintenance compound supplies are transferred to smaller containers for immediate use, the name of the maintenance compound must be as it appears on the list of approved maintenance compounds: **Register of approved maintenance compounds**.

1.7.3 Storage areas

Maintenance compound storage areas must be kept dry and must be maintained in a clean condition. Separate and secure storage must be provided for any odorous or hazardous substances.

1.7.4 Maintenance compounds in use

Maintenance compounds may be held in food support facilities in quantities necessary for immediate use. Containers of maintenance compounds must be closed immediately after use.

1.8 Use of maintenance compounds

1.8.1 Conditions of use

Maintenance compounds must only be used according to the directions of the manufacturer and subject to the conditions of the approval.

1.8.2 Directions for use

The directions for use must be available at the point where the compound is used. If the directions do not appear on the label, the product information data sheets must be available to the person who is using the compound.

1.9 Chemical use during plant maintenance

Any approved maintenance compound required during any corrective action or maintenance activity must be used according to the conditions of its approval.

When processing in an area has ceased for routine or programmed maintenance, the requirement to use approved maintenance compounds no longer applies. Once the routine or programmed maintenance has been completed, all parts of the premises and equipment on which non-approved maintenance compounds have been used must be cleaned using only approved maintenance compounds before production starts.

2 Background

This manual describes the types of compounds that require specific evaluation and approval, the process of obtaining approval and the conditions under which approval will be given.

2.1 Animal Products Act regime

Under the Animal Products Act regime compounds approved for use are known as “approved maintenance compounds”.

The process of approval involves a chemical or compound being approved, and conditions imposed, pursuant to:

- Regulation 247 of the Animal Products Regulations 2021; and
- Regulation 18(4)(b) of the Animal Products (Regulated Control Scheme - Limited Processing Fishing Vessels) Regulations 2001.

as an “approved maintenance compound”.

Under the Animal Products Regulations 2021 a "maintenance compound" is defined as, in relation to any premises or place where animal material or animal product is processed, any compound –

a) for maintaining, repairing, servicing, cleaning, or sanitising equipment or surfaces that may be a source of contamination of animal material or animal product; or
b) for treating water; or
c) for controlling pests; or
d) for the personal hygiene of people; or
e) on live animals, other than for their therapeutic benefit, to improve, or maintain, or both, the hygiene and suitability of animal material for processing

Under the Animal Products (Regulated Control Scheme - Limited Processing Fishing Vessels) Regulations 2001 a "maintenance compound" is defined as, in relation to any limited processing fishing vessel where fish material or fish product is processed, any substance -

a) used for maintaining, repairing, servicing, cleaning, or sanitising equipment or surfaces that may be the source of, or result in, contamination of fish material, fish product, or associated things;
b) used for treating water; or
c) used for pest control.

Maintenance compounds are individually approved, with associated conditions on use, via an approval letter.

3 Definitions

CAS number means the unique numerical identifier assigned to the chemical name by the Chemical Abstracts Service number.

Edible means animal material or product that is intended for human or animal consumption

Food means animal material or product that is intended for human or animal consumption.

Food or edible area means an area where:

a) edible material, ingredients or product is processed, or
b) edible material, ingredients, product is stored, or
c) food is processed, or
d) food or food contact packaging is stored.

Food contact surface means a surface where contact with food (or edible material, ingredients or product) is intended or anticipated.

Food contact packaging material means any packaging material where contact with food (or edible material, ingredients or product) is intended or anticipated.

Human or animal consumption, used in relation to any animal product, means that the product is intended to be eaten, or taken orally, or administered parentally, or applied topically.

Separation means physically, by distance, or by time

a) **physically** means to separate by floor to ceiling solid walls and doors, or to fully protect product / by-product by pipelines, enclosed vats, etc.;
b) **by distance** means to separate to such an extent so as to avoid any possible contact, splash, contamination, etc., between specific functions, processes or personnel; and
c) **by time** means to end one function or process prior to starting a different function or process, with a cleaning operation in between.

Suitable water means water that meets the requirements of Part C1 Subpart 4: Water of the current version of the Animal Products Notice: Production, Supply and Processing. This was previously referred to as "Potable water".

Topical means applying a substance externally to a part of the body of a human or animal, and **topically** has a corresponding meaning.

4 Part A: Approvals

4.1 Compounds with generic approval

The maintenance compounds that are identified in the following sub-sections (4.1.2 to 4.1.9) have generic approval and may be used in premises registered or approved under the Animal Products Act regime according to the general rules applicable to each sub-section.

Generic approval for processing aids only applies when used as such. When used for other purposes, processing aids require additional approval. The following substances must be of an appropriate quality and must be used in accordance with the conditions for approval relevant to the use of the substances.

4.1.1 Labelling

The labelling of all of the chemicals listed in these sub-sections must prominently display the chemical name. Trade names may be used in addition to the chemical name. Products so identified are not permitted to contain additional substances.

The label may include a statement to the effect that the product is approved for use in non-dairy premises registered or approved under the APA regime. Any statements made, however, must include reference to the relevant sub-section and must be limited to the following unless otherwise specified:

- MPI Approved (Generic, <sub-section>) (All animal product except dairy); or
- Ministry for Primary Industries Approved (Generic, <sub-section>) (All animal product except dairy).

For example, for the use of calcium chloride, as a production aid – all areas, the statement would be either:

- MPI Approved (Generic, 4.1.2) (All animal product except dairy); or
- Ministry for Primary Industries Approved (Generic, 4.1.2) (All animal product except dairy).

4.1.2 Production aids – All areas

The chemicals listed in this sub-section may be used in areas where animal material or product is processed for human or animal consumption either as is, or as an appropriate solution. When used in human consumption areas, all human consumption product and packaging material must be removed from the room. Food contact surfaces which have been treated with these substances must be thoroughly washed to remove all residues then rinsed with suitable water.

Chemical Name	**CAS Number**
Calcium chloride	10043-52-4
Carbon dioxide [as dry ice]	124-38-9
Citric acid	77-92-9
Ethanol	64-17-5
Formaldehyde [as a fumigant only]	50-00-0
Fish oil	N/A
Hydrochloric acid	7647-01-0
Hydrogen peroxide	7722-84-1
Manganese sulphate	7785-87-7
Methanol (methylated spirits)	67-56-1

Chemical Name	CAS Number
Nitric acid	7697-37-2
Phosphoric acid	7664-38-2
Potassium permanganate [as a fumigant only]	7722-64-7
Sodium bicarbonate	144-55-8
Sodium carbonate [soda ash]	497-19-8
Sodium chloride	7647-14-5
Sodium citrate	68-04-2
Sodium hexametaphosphate	10124-56-8
Sodium hydroxide [caustic soda]	1310-73-2
Sodium metabisulphite	7681-57-4
Sodium metasilicate [anhydrous and pentahydrate]	6834-92-0
Sodium perborate	7632-04-4
Sodium phosphate [mono, di and tribasic]	10361-03-2
Sodium sulphate [anhydrous]	7757-82-6
Sodium tripolyphosphate	7758-29-4
Sulphuric acid	7664-93-9
Tetrasodium pyrophosphate	7722-88-5
Zinc oxide	1314-13-2

4.1.3 Production aids – Restricted use

The chemicals listed in this sub-section must not be used in areas where animal material or product is processed for human consumption. Materials and equipment which have been treated with these chemicals must be thoroughly washed to remove all residues before being used in human consumption areas.

Chemical Name	CAS Number
Kerosine	8008-20-6
Naphthalene	91-20-3
Oxalic acid	144-62-7
Paraformaldehyde	30525-89-4
Turpentine	8006-64-2
White spirits	8052-41-3

4.1.4 Production aids – Special purpose

Refrigerants

- Ammonia
- Fluorocarbon refrigerants that are not prohibited under the Ozone Layer Protection Act 1996

Antifreeze

The chemicals listed below may be used in areas where animal material or product is processed for human or animal consumption.

Chemical Name	CAS Number
Ethylene glycol	107-21-1
Propylene glycol	57-55-6

When used in areas where animal material or product is processed for human consumption the maintenance compound must be contained within an enclosed heat exchange system. Before any of these areas are exposed to a maintenance compound all animal material or product intended for human consumption and packaging material must be removed from the room. Incidental contamination of food contact surfaces must be thoroughly cleaned, then rinsed with suitable water before production starts.

4.1.5 Processing aids – Restricted use

Hides and pelts

The following compounds may be used in the processing of the hides and pelts. These compounds must not be used in areas where animal material or product is processed for human consumption.

Chemical Name	CAS Number
Ammonium chloride	12125-02-9
Ammonium sulphate	7783-20-2
Aluminium sulphate	10043-01-3
Boric acid	10043-35-3
Dichlorophen	97-23-4
Hydrated lime	1305-62-0
Sodium borate (borax)	12008-41-2
Sodium hydrosulphide	16721-80-5
Sodium sulphide	1313-82-2

Antioxidants (tallow, meat meal for animal consumption and pet food) and defoaming agents

The use of antioxidants and defoaming agents in animal material or product intended for animal consumption must comply with the relevant requirements under the Agricultural Compounds and Veterinary Medicines (ACVM) Act 1997.

Note: The Generally Recognised as Safe register for feed additives used in oral nutrition compounds has been revoked. Instead, the requirements in the Agricultural Compounds and Veterinary Medicines (Exemptions and Prohibited Substances) Regulations 2011 must be met.

4.1.6 Processing aids - direct food contact

The use of processing aids during the processing of animal material or product for human consumption must be in accordance with the Australia New Zealand Food Standards Code (FSC), especially Standard 1.3.3 -

Processing aids.

Note: use in accordance with the FSC only relates to compliance with the New Zealand Standard. It is the operator's responsibility to ensure compliance with any relevant overseas market access requirements.

4.1.7 Processing aids – incidental food contact

Substances identified in this sub-section may be used:

- in solutions for sanitising clean food contact surfaces, Code C 41 or C 43;
- in solutions treating water supplies, Code C 61; or
- as release agents, Code C 26.

Chemical Name	CAS Number
Aluminium sulphate	10043-01-3
Chlorine	7782-50-5
Chlorine dioxide	10049-04-4
Calcium hypochlorite (hydrated and containing 65% active ingredient)	7778-54-3
Ethyl alcohol	64-17-5
Fish oil	
Isopropyl alcohol	64-63-0
Hydrochloric acid [as buffering agent only, minimum amount to accomplish the technical effect]	7647-01-0
Hydrogen peroxide	7722-84-1
Ozone	10028-15-6
Paraffin oil	8012-95-1
Potassium permanganate	7722-64-7
Sodium carbonate (soda ash)	497-19-8
Sodium chloride [C 61 only]	7647-14-5
Sodium hydroxide	1310-73-2
Sodium hypochlorite	7681-52-9
Vegetable oils [meeting the standards laid down by the Australia New Zealand Food Standards Code may be used for lubrication purposes without restriction]	68956-68-3

C 43 Sanitising solutions

The following substances may be used according to the conditions for code C 43 sanitising solutions, provided the concentration of chlorine does not exceed 200ppm in the case of the chlorinated compounds.

Chemical Name	CAS Number
Chlorine	7782-50-5
Calcium hypochlorite (hydrated and containing 65% active ingredient)	7778-54-3

Ethyl alcohol	64-17-5
Isopropyl alcohol	67-63-0
Hydrochloric acid [as buffering agent only, minimum amount to accomplish the technical effect]	7647-01-0
Hydrogen peroxide, 35% aqueous solution	7722-84-1
Sodium hypochlorite	7681-52-9

C 44 Sanitising wipes

The following substances may be added to wipes of an appropriate quality. The resulting wipes may be used according to the conditions for code C 44 sanitising wipes.

Chemical Name	**CAS Number**
Ethyl alcohol	64-17-5
Isopropyl alcohol	67-63-0

4.1.8 Meat marking stains

The use of meat marking stains (previously called 'meat marking inks') must be in accordance with Schedule 3 of the current version of the Animal Products Notice: Production, Supply and Processing.

4.1.9 Condemned material stains

The preparation of condemned material stains must be from dyes listed in Schedule 3 of the current version of the Animal Products Notice: Production, Supply and Processing.

The following formula would meet USDA requirements for denaturing condemned material:

Quantities	**Chemical / Ingredient**
1 part	FD & C No.3 Green colouring
40 parts	Water
40 parts	Liquid detergent
40 parts	Oil of citronella; Crude carbolic acid; or Cresylic disinfectant

4.1.10 Hand sanitisers

C 54 Hand sanitisers

The following substances may be used according to the conditions for code C 54 hand sanitising solutions, provided the formulation of hand sanitising solution as below:

Chemical Name	**Formulation (v/v)**	**CAS Number**
Ethanol (denatured or heat)	60-80%	64-17-5
Hydrogen Peroxide	0-3%	7722-84-1

Chemical Name	Formulation (v/v)	CAS Number
Isopropyl Alcohol	70-80%	67-63-0
Glycerol	0-2%	56-81-5
Water	As required	7732-18

No other ingredients, including perfume are allowed.

4.2 Compounds that require approval

Chemical compounds that require MPI approval include, but are not limited to, all of the following:

- lubricants, solvents and combustion additives for use in any area except for the exemption in the following section;

Note: hydraulic oils and compressor oils must be clearly included as such.

- surface treatments: including on food contact surfaces as either a release agent or as an anti-rust film;
- cleaning compounds;
- sanitising compounds: including for use as a no rinse sanitiser on clean hard surfaces in premises which are restricted only to the processing of fish;
- shell egg cleaning and sanitising compounds;
- topical preparations: including hand washing compounds, hand sanitising compounds, barrier creams, dermatological creams, hand cleaners and body washes;
- water treatment products: including those for suitable water, boilers, steam lines (where steam contacts food or edible products directly or indirectly), cooling systems, drain lines and wastewater recovery systems;
- pesticides (including insecticides) except for the exemption in the following section;
- pre-slaughter stock wash;
- packaging adjuncts (other than cartons or bags) including those intended to and not intended to contact product; e.g. packaging adhesives, oxygen absorbers;
- miscellaneous compounds that are used in areas where food or edible products are prepared, handled or stored.

4.3 Compounds that do not require approval

The following chemical compounds are exempted from requiring MPI approval, subject to:

- compliance with all relevant requirements within this manual other than those relating to MPI approval;
- compliance with any specified requirements; and
- maintenance compounds being held in specified areas and only used in those areas.

These exemptions are based on the low possibility of contamination of animal material / animal product as a result of use of the chemical compound in accordance with the directions of use.

The exemptions from requirement to have MPI approval include:

- Chemical compounds used as food additives in animal material / animal product intended for human consumption. The use of these compounds must be in accordance with the Australia New Zealand Food Standards Code (FSC);

Note: used in accordance with the FSC only related to compliance with the New Zealand Standard. It is the operator's responsibility to ensure compliance with any relevant overseas market access requirements.

- Chemical compounds used as processing aids during the processing of animal material / animal product for human consumption. The use of these compounds must be in accordance with the FSC.

Note: used in accordance with the FSC only related to compliance with the New Zealand Standard. It is the operator's responsibility to ensure compliance with any relevant overseas market access requirements.

- Chemical compounds used as additives in animal material / animal product intended for animal consumption. The use of these compounds must be in accordance with requirements of the Agricultural Compounds and Veterinary Medicines (ACVM) Act 1997 regime.
- Chemical compounds used solely in laboratories for analytical and similar use;
- Chemical compounds used solely in offices, such as dusting aids, furniture waxes / polishes, floor waxes / polishes, upholstery cleaners, and window / glass cleaners;
- Compounds present in first aid clinics and first aid kits provided the compounds are:
  - only held in clinics or kits; and
  - used at a sufficient distance from all animal material, product and packaging material so that there can be no possibility of contamination of the animal material, product or packaging material as a result of use;
- Fuel oil, combustion additives and crankcase lubricants used in combustion engines not located within any processing room or any area where products are stored provided the compounds are:
  - in fully labelled containers or bulk tanks clearly identified as such; and
  - not present in areas accessible to production personnel during processing;
- Compounds other than insecticides, pre-slaughter stock wash and stock marking products used solely in holding pens, stock trucks and the like;
- Compounds used during the maintenance of water treatment systems provided the compounds are;
  - subject to discharge of waste and the relevant part of the system is flushed after use and prior to recommencing suitable water production; and
  - limited to those that are routinely used in suitable water treatment maintenance;
- Compounds used in ion exchange columns during storage provided the compounds are;
  - used in a manner which prevents direct or indirect contamination of products;
  - the relevant part of the system is flushed prior to recommencing production; and
  - limited to those that are routinely used in ion exchange maintenance;
- Non-toxic rodent monitoring baits and lures provided the use of the compounds are:
  - detailed in a pest control programme that has been documented to relevant MPI legislation.;
  - limited to the initial detection of rodent activity prior to the use of pesticide;
  - limited to food or edible areas provided there is no exposed product or food ingredient present in the room; and
  - removed from food or edible areas before processing operations commence;
- Herbicides provided the compounds are:
  - limited to those that are routinely used in general agricultural activities;
  - only used in external areas and in a manner that prevents contamination of any area where products are processed, packaged or stored;
  - used in accordance with manufacturer's directions; and
  - not present in areas accessible to production personnel during processing;
- Chemical compounds used for the marking of animals including markers, paints and dyes provided the compounds are:
  - limited to those that are routinely used in general agricultural activities;
  - only used in stockyards;
  - only used in sufficient quantity to achieve the desired effect; and

Note: Specific requirements relating to the composition of meat marking stains, including grading inks, pet food carcass stains and condemned material (denaturing) stains, and any appropriate conditions of use are documented in the current version of the Animal Products Notice: Production, Supply and Processing.

- Marking inks used for the application of information to packaging material used to cover animal material or animal product (e.g. printing on stockinette bags) provided:
  - it is clearly specified that the resultant printing must be stable and not impart any characteristics on product if used on insert labels or other labels likely to come into contact with food or edible products; and
  - inks containing volatile solvents must not be used when products are in the room;
- Building materials including paints and other resinous or polymeric surface coatings;

Note: The current requirement for premises operating under the Animal Products Act (APA) regime is that these materials need to meet relevant requirements in the APA, Regulations and Notices. Materials must meet requirements of IS2.

- Packaging material; and

Note: specific requirements relating to the composition of packaging material and where appropriate, conditions of use are documented in the current version of the Animal Products Notice: Production, Supply and Processing.

- Packaging gases used in packaging systems, provided the gases must:
  - meet food grade standards; and
  - be used in accordance with good manufacturing practice for the type of packaging system.

4.4 Status of overseas approval

MPI carries out an independent assessment of a maintenance compound when determining whether to approve the compound. As a result MPI does not recognise overseas approvals. Two common examples of these are:

4.4.1 NSF (NSF International, the Public Health and Safety Company)

Historically the Food Safety and Inspection Services (FSIS), a branch of the United States Department of Agriculture (USDA), required meat and poultry facilities to use products in and around food processing areas (Non-food Compounds) that had been approved under the USDA authorisation programme. In the late 1990s the USDA ended this programme.

In December 1999, NSF International launched a voluntary Non-food Compounds Registration Program to re-introduce the previous authorisation programme administered by the USDA.

Although MPI does not recognise NSF approvals, providing details of an NSF approval may help in the assessment process. You will still have to submit a complete application, including full formulation. Operators can demonstrate that they meet the requirements relating to 21 Code of Federal Regulations (CFR) outlined in this manual, with an appropriate NSF approval. The NSF approval codes are set out in the NSF International Registration Guidelines for Proprietary Substances and Non-food Compounds.

NSF Non-food Compounds

4.4.2 Australian Government Department of Agriculture, Fisheries and Forestry (DAFF) including the Australian Quarantine and Inspection Service (AQIS)

The AQIS Export Meat Program includes legislation, AQIS Meat Notices and a range of other information. This is available on 'ELMER 3 **E**lectronic **L**egislation, **M**anuals and **E**ssential **R**eferences', which includes:

- information on the chemical guidelines for the acceptance of chemical compounds, which are based on historic USDA requirements mentioned above; and
- chemical compounds used in premises processing or storing meat and meat products for export.

ELMER 3 Electronic Legislation, Manuals and Essential References

4.5 Chemical compound categories

This section details the codes and conditions that can be applied to an approved maintenance compound.

Mandatory label statements

Some codes have mandatory label requirements. These are detailed under each approval code.

Allowable approval statements

Any approval statement made must include the approval code and must be limited to the text given under each approval code, unless otherwise specified.

4.5.1 Hierarchy of approvals

Within the approval criteria described in Section 4.4: Status of Overseas Approval there is a hierarchy amongst some of the approval codes. This means that in some cases one approval will have other lesser approval codes imbedded within the approval, e.g. a compound that is C 15 approved may also be used for C 11 and C 13 applications. The key examples that will be of interest to operators are described below.

Maintenance compounds should fit within one of the following categories.

Section	Categories
Lubricants and Solvents	C 11 – C 15
Surface Treatments	C 21 – C 28
Cleaners	C 31 – C 39
Sanitisers	C 41 – C 44
Topical Preparations	C 51 – C 56
Water Treatment Products	C 61 – C 66
Packaging Materials	C 81 – C 83
Pesticides	Type A – Type D
Miscellaneous Products	C 101 – C 104

4.5.2 Lubricants and Solvents

C 11 Lubricant or Solvent

(1) This can be used in food or edible areas, provided it does not come in contact with food or edible

products or food contact packaging material.

(2) If incidental contact with a food contact surface occurs, the surface must be thoroughly cleaned and rinsed with suitable water to ensure that no residue remains.

You can support that you meet these requirements with a H2 approval from NSF.

Requirements
• This compound must not have any strong odour or volatile solvent(s); • These approvals are generally only given to gear oil / lubricant type products; • **Note**: this compound does not need to meet the requirements for C 15 approval, i.e. in relation to the composition complying with the United States Code of Federal Regulations (CFRs); and • The use of this approval is limited due to the potential risk of misuse, as the approval allows the use in processing areas provided it does not come in contact with animal material, animal product or packaging material. As a result, compounds should be directed to either C 15 or C 13, as appropriate, in preference to C 11.
Allowable approval statement
MPI Approved C 11 (All animal product except dairy)
Mandatory label statements
N/A

C 12 Lubricant or Solvent

(1) This can be used in food or edible areas.

(2) Before use, all food or edible product and food contact packaging material must be removed from the room.

(3) No food or edible product is permitted in the room while odours remain.

(4) If incidental contact with a food contact surface occurs, the surface must be thoroughly cleaned and rinsed with suitable water to ensure that no residue remains.

You can support that you meet these requirements with a H1 or K2 approval from NSF.

Requirements
• As for C 11 with the addition that volatile solvent(s) are acceptable as the usage criteria state that before use, animal material and product and food contact packaging material must be removed from the room and no animal material or product is permitted in the room while odours remain; and • The presence of pine oil is acceptable.
Allowable approval statement
MPI Approved C 12 (All animal product except dairy)
Mandatory label statements
N/A

C 13 Lubricant or Solvent (use in enclosed housings only)

(1) This can be used in food or edible areas but must be confined in enclosed housings.

(2) The recognised verifier must be informed if there is any leakage.

(3) If incidental contact with a food contact surface occurs, the surface must be thoroughly cleaned and rinsed with suitable water to ensure that no residue remains.

You can support that you meet these requirements with an H1 or H2 approval from NSF.

Requirements
• Most substances generally used for this purpose would be acceptable. There may be other substances that are not acceptable because of unfavourable toxicology or other consideration. Therefore, each compound will be assessed on its own merit; • These approvals are limited to use in enclosed housings, i.e. gear / hydraulic oil. The directions for use need to reflect this requirement; • The compound may have a strong odorous smell, e.g. sulphurous etc.; • **Note**: this compound does not need to meet the C 15 approval requirement relating to the composition complying with the United States Code of Federal Regulations (CFRs); and • Full compositional discolour is required. When leakage onto animal product occurs it is necessary to take corrective action including deciding on appropriate product disposition.
Allowable approval statement
MPI Approved C 13 (All animal product except dairy)
Mandatory label statements
N/A

C 14 Lubricant or Solvent (not for use in food areas)

(1) This cannot be used in food or edible areas.

Requirements
• Each compound will be assessed on its own merit; and • This compound does not need to meet the requirements for C 11, C 12, C 13 or C 15 approval, e.g. strong odorous compound not intended for use in enclosed housings.
Allowable approval statement
MPI Approved C 14 (All animal product except dairy)
Mandatory label statements
N/A

C 15 Lubricant or Solvent

(1) This can be used during processing of food to lubricate moving parts of equipment when the lubricated surface is either an integral part of the food contact surface, or where contamination could result from bearing seal leakage.

(2) The amount used should be the minimum required to accomplish the technical effect.

(3) The equipment must be maintained, including the application of lubricants, according to the specifications of the equipment manufacturer.

(4) The lubricated surface must be maintained according to requirements for sanitation of food contact surfaces. Where necessary the relevant parts of the equipment must be dismantled to inspect the adequacy of cleaning.

(5) If incidental contact with a food contact surface occurs, the surface must be thoroughly cleaned and rinsed with suitable water to ensure that no residue remains that could be transferred to food or edible product.

You can support that you meet these requirements with an H1 or H3 approval from NSF.

Requirements
• This compound must conform to the compositional requirements of Title 21 Part 178.3570 of the United States Code of Federal Regulations (CFR) (this does not require the lubricant to be approved against this CFR). This includes the use of substances generally recognised as safe (GRAS) for use in food and substances used in accordance with the provisions of a prior sanction or approval (in CFR 21); and • The directions for use must very clearly comply with the conditions of C 15 approval.
Allowable approval statement
MPI Approved C 15 (All animal product except dairy)
Mandatory label statements
N/A

Hierarchy of approval – Lubricants, solvents, combustion additives

Approval code	Lesser approval codes imbedded within that approval
C 15	C 11, C 13
C 11	C 13
C 13	C 14

4.5.3 Surface treatments

C 21 Surface Treatment

(1) This can be used in food or edible areas provided it does not come in contact with food or edible product or food contact packaging material.

(2) If incidental contact with a food contact surface occurs, the surface must be thoroughly cleaned and rinsed with suitable water to ensure that no residue remains.

You can support that you meet these requirements with an R1 approval from NSF.

Requirements
• The compound must not have any strong odour or volatile solvent(s); • This compound is only used for maintenance, potentially on a routine basis; and • The use of this approval is limited due to the potential risk of misuse as the approval allows the use in processing areas provided it does not come in contact with animal material, animal products or food contact packaging material. As a result compounds should be directed to either C 26 or C 23, in preference to C 21.
Allowable approval statement
MPI Approved C 21 (All animal product except dairy)
Mandatory label statements
N/A

C 22 Surface Treatment

(1) This can be used in food or edible areas.

(2) Before use, all food or edible product and food contact packaging material must be removed from the room.

(3) No food or edible product is permitted in the room while odours remain.

(4) If incidental contact with a food contact surface occurs, the surface must be thoroughly cleaned and rinsed with suitable water to ensure that no residue remains.

Requirements
• As for C 21 with the addition that volatile solvent(s) are acceptable as the usage criteria state that before use, animal material and product and food contact packaging material must be removed from the room and no animal material or product is permitted in the room while odours remain.
Allowable approval statement
MPI Approved C 22 (All animal product except dairy)
Mandatory label statements
N/A

C 23 Surface Treatment

(1) This can be used in food or edible areas.

(2) Before use, all food or edible product and food contact packaging material must be removed from the room.

(3) No food or edible product is permitted in the room until all treated surfaces have been adequately protected with an approved coating.

(4) If incidental contact with a food contact surface occurs, the surface must be thoroughly cleaned and rinsed with suitable water to ensure that no residue remains.

Requirements
• The compound may have a strong odorous smell or volatile solvent(s); • This compound is only used for maintenance, potentially on a routine basis; • These approvals are limited to where surfaces treated with this compound are adequately protected with an approved coating; and • These approvals are generally given to zinc treatments, hydrofluoric acid etc. where paint is used as the approved coating.
Allowable approval statement
MPI Approved C 23 (All animal product except dairy)
Mandatory label statements
N/A

C 24 Stock Marking

(1) This can be used for marking animals.

(2) It can only be used in stockyards.

(3) It must not be used in a manner likely to contaminate the carcass during dressing.

Requirements
• This compound is only used for marking animals in the stockyards; and • Confirm that the compound has relevant ACVM Act approval, where necessary.
Allowable approval statement
MPI Approved C 24 (All animal product except dairy)

Mandatory label statements
N/A

C 25 Surface Treatment (not for use in food areas)

(1) This cannot be used in food or edible areas.

Requirements
• This compound does not meet the requirements for C 21, C 22, C 23 or C 26 approval, e.g. a zinc treatment where no approved coating is required.
Allowable approval statement
MPI Approved C 25 (All animal product except dairy)
Mandatory label statements
N/A

C 26 Surface Treatment (release agent or anti-rust film)

(1) This can be used on food contact surfaces as a release agent or as an anti-rust film.

(2) The amount used should be the minimum required to accomplish the technical effect.

(3) After application, the surface must be wiped or adequately drained to ensure that no residue remains that could be transferred to food being processed.

You can support that you meet these requirements with an R1 approval from NSF.

C 26 – Note: Baths used in the anti-rust treatment of skids and gambrels should be kept clean as accumulations of fat and/or moisture in the baths can reduce the effectiveness of the treatment.

Requirements
• This approval is limited to release agents and anti-rust films on food contact surfaces, e.g. skids and gambrels; • The composition of this compound must be at least equivalent to Title 21 Part 178 of the United States Code of Federal Regulations (CFR). This includes the use of substances generally recognised as safe (GRAS) for use in food and substances used in accordance with the provisions of a prior sanction or approval (in CFR 21); • The directions for use must very clearly comply with the conditions of C 26 approval including that the treated surface must be wiped or adequately drained after application so that no free substance remains, ventilation of volatile solvents / diluents are present and compounds containing solvents must not be applied in food areas; and • Where compounds are specifically intended to prevent rust on skids and gambrels, a treated sample must be included with the application.
Allowable approval statement
MPI Approved C 26 (All animal product except dairy)
Mandatory label statements
N/A

C 27 Stock Wash

(1) This can be used for washing stock prior to slaughter.

(2) This must be used according to the manufacturer's directions, at a concentration not exceeding that recommended by the manufacturer.

(3) Stock must be washed in clean water after application and before slaughter.

Requirements
• Each compound will be assessed on its own merit.
Allowable approval statement
MPI Approved C 27 (All animal product except dairy)
Mandatory label statements
The directions for use must include a statement that stock must be washed in clean water after application and before slaughter.

C 28 Stock Wash

(1) This can be used for washing stock prior to slaughter.

(2) This must be used according to the manufacturer's directions, at a concentration not exceeding that recommended by the manufacturer.

(3) There is no requirement to rinse stock after application and before slaughter, provided moisture cannot be expressed when the wool at the opening-up areas is firmly squeezed.

(4) When used in all other circumstances, stock must be washed in clean water after application and before slaughter.

Requirements
• Each compound will be assessed on its own merit.
Allowable approval statement
MPI Approved C 28 (All animal product except dairy)
Mandatory label statements
N/A

Hierarchy of approval – Surface treatments

Approval code	**Lesser approval codes imbedded within that approval**
C 26	C 22
C 23	C 25

4.5.4 Cleaners

C 31 Cleaner (including cleaner sanitisers)

(1) This can be used in all areas.

(2) Before use, all food or edible product and food contact packaging material must be removed from the room, unless the room can be divided into distinct areas. No food or edible product or food contact packaging material can be present in the distinct area being cleaned. There must be no possibility of contamination of product or packaging material as a result of cleaning.

(3) After use, food contact surfaces must be thoroughly rinsed with suitable water before production starts.

You can support that you meet these requirements with an A1, A2, A3 or A8 approval from NSF.

C 31 – Note: Cleaner sanitisers are categorised as C 31. This does not prevent the compound from being used to clean hard surfaces and then being used again to employ the sanitising attributes. When an operator uses a compound in this manner the recommended procedures must be validated to ensure adequate sanitation is achieved.

Requirements
• This compound must not contain pumice, any perfume, citrus extracts, isomers of dichlorobenzene, pine oil, essential oil extracts or any other similar strong odorous compounds; • If the compound is in the form of a hard granular powder, the solubility of the product should be determined; • Applications for any enzyme-based compound must include evidence to substantiate that the compound does not contain any viable pathogenic organisms that may affect the suitability for processing of animal material or the fitness for intended purpose of animal product; • It is unacceptable for the directions for use to refer to direct application onto animal material or product; and • If allowable statement (2) is used on the label, the directions for use must outline how it can be used for cleaning of all areas provided the room can be divided into distinct areas. No food product or food contact packaging material can be present in the area during cleaning and there can be no possibility of contamination of product or packaging material as a result of cleaning.
Allowable approval statement
(1) MPI Approved C 31 (All animal product except dairy); and (2) This can be used for cleaning processing rooms provided the room can be divided into distinct areas, no food product or food contact packaging material is present in the area during cleaning, and there is no possibility of contamination of product or packaging material as a result of cleaning (or words to that effect).
Mandatory label statements
The directions for use must include a statement that food surfaces must be thoroughly rinsed with suitable water before production starts (or words to that effect). **Note**: this also applies to 'Spray and Wipe' type cleaners.

C 32 Cleaner (not for use in food areas)

(1) This cannot be used in food or edible areas.

(2) The perfume must not be used to mask the odours of unsanitary conditions.

(3) This must be used in a manner that prevents the perfume invading any food or edible area.

Requirements
• As for C 31 with the addition that the excluded compounds can be used; and • The directions for use must not give an indication that use in food areas is acceptable.
Allowable approval statement
MPI Approved C 32 (All animal product except dairy)
Mandatory label statements
N/A

C 33 Laundry Compound

(1) This can only be used as a laundry compound.

(2) If treated fabric could directly or indirectly come into contact with food or edible product, a thorough rinse with suitable water must follow the laundering process.

You can support that you meet these requirements with a B1, B2 or BX approval from NSF.

Requirements
• The approval is limited to laundry compounds; • If treated fabric directly or indirectly comes into contact with food product the directions for use, especially with regard to hand washing, must state that a thorough rinse with suitable water follows the laundering process; and • In all cases, the final operation of the laundry cycle must be a suitable water rinse sufficient to remove all added substances from the laundered fabric.
Allowable approval statement
MPI Approved C 33 (All animal product except dairy)
Mandatory label statements
N/A

C 34 Cleaner (not for use in food areas)

(1) This cannot be used in food or edible areas.

(2) After use, the cleaned equipment or utensils must be rinsed with suitable water before being returned to food or edible areas.

Requirements
• Each compound will be assessed on its own merit; and • **Note**: this is an infrequently used approved code.
Allowable approval statement
MPI Approved C 34 (All animal product except dairy)
Mandatory label statements
N/A

C 35 Window Cleaner

(1) This can be used as a window cleaner in all areas.

(2) No food or edible product is permitted in the room during cleaning.

(3) If incidental contact with a food contact surface occurs, the surface must be thoroughly cleaned and rinsed with suitable water to ensure that no residue remains.

Requirements
• This approval is limited to window cleaners; • The compound must be either ammonia or alcohol based; and • This compound must not contain any perfume, citrus extracts, essential oil extracts or any other similar strong odorous compounds.
Allowable approval statement

MPI Approved C 35 (All animal product except dairy)
Mandatory label statements
N/A

C 36 Cleaner (not for use in food areas)

(1) This cannot be used in food or edible areas.

Requirements
• Each compound will be assessed on its own merit; and • This compound does not meet the requirements for any other C 30 series approval.
Allowable approval statement
MPI Approved C 36 (All animal product except dairy)
Mandatory label statements
N/A

C 37 Cleaner (not for food contact surfaces)

(2) This is a general purpose cleaner that can be used on floors and walls but must not be used on food contact surfaces.

(3) Before use, all food or edible product and food contact packaging material must be removed from the room.

(4) If incidental contact with a food contact surface occurs, the surface must be thoroughly rinsed with suitable water to ensure that no residue remains.

You can support that you meet these requirements with an A4 or A5 approval from NSF.

Requirements
• As for C 31 with the exception that the directions for use only relate to the removal of heavy soil from non-food contact surfaces such as vehicles, floors and walls.
Allowable approval statement
MPI Approved C 37 (All animal product except dairy)
Mandatory label statements
N/A

C 38 Cleaner (dishwashing rinse aid)

(1) This can only be used as a rinse aid in automatic dishwashers.

(2) This must always be used according to the manufacturer's directions and the instructions for the automatic dishwasher.

Requirements
• This approval is limited to rinse aid for use in automatic dishwashers.
Allowable approval statement
MPI Approved C 38 (All animal product except dairy)

Mandatory label statements
N/A

C 39 Cleaner (for poultry facilities and egg equipment)

(1) This can be used for cleaning and disinfection of poultry facilities and equipment used in the production and processing of eggs for human consumption.

(2) This must be used according to the manufacturer's directions.

(3) Poultry and eggs must not be present in the area when cleaning and disinfection is carried out.

Requirements
• Each compound will be assessed on its own merit.
Allowable approval statement
MPI Approved C 39 (All animal product except dairy)
Mandatory label statements
Where the allowable approval statement is used, the directions for use must include a statement that poultry and eggs must not be present in the area at the time when cleaning and disinfection is carried out.

Hierarchy of Approvals – Cleaners

Approval code	Lesser approval codes imbedded within that approval
C 31	C 32, C 34

4.5.5 Sanitisers

C 41 Sanitiser

(1) This can be used in all areas.

(2) Before use, all food or edible product and food contact packaging material must be removed from the room or carefully protected.

(3) After use, food contact surfaces must be thoroughly rinsed with suitable water before production starts.

(4) This must always be used at the dilutions recommended by the manufacturer.

You can support that you meet these requirements with a D1 approval from NSF.

Requirements
• The compound must have a sanitising ability; • The compound must not contain any perfume, citrus extracts, essential oil extracts or any other similar strong odorous compounds; • If the compound is in the form of a hard granular powder, the solubility of the product should be determined; and • It is unacceptable for the directions for use to refer to direct application onto animal material or product.
Allowable approval statement
MPI Approved C 41 (All animal product except dairy)
Mandatory label statements

Directions for use must include a statement that food surfaces must be thoroughly rinsed with suitable water before production starts (or words to that effect).

C 42 Sanitiser

(1) This can be used for sanitising of large processing rooms provided all food or edible product and food contact packaging material is removed from the room before use, unless the room can be divided into distinct areas. No food or edible product or food contact packaging material can be present in the area during use. There must be no possibility of contamination of product or packaging material as a result of use.

(2) When used on clean hard surfaces, a rinse with suitable water is not required.

(3) Food contact surfaces must be thoroughly drained to minimise residues before production starts.

(4) On non-food contact surfaces, such as floors, walls and ceilings, higher concentrations may be required to control microbial growth. This is allowed, provided there is no risk of product contamination.

(5) Where these conditions cannot be met, a suitable water rinse is required.

(6) This must always be used at the dilutions recommended by the manufacturer.

Requirements
• Must not leave any detectable residues; and • Each compound will be assessed on its own merit.
Allowable approval statement
MPI Approved C 42 (All animal product except dairy)
Mandatory label statements
N/A

C 43 Sanitiser

(1) This can be used as a sanitiser on clean hard surfaces.

(2) Before use in any premises, all food product and food contact packaging material must be removed from the room or carefully protected.

(3) After use in premises that only process fish, a rinse with suitable water is not required, but food contact surfaces must be thoroughly drained to minimise residues.

(4) After use in other premises, food contact surfaces must be thoroughly rinsed with suitable water before production starts.

(5) This must always be used at the dilutions recommended by the manufacturer.

You can support that you meet these requirements with a D2 approval from NSF.

Requirements
• The compound must have a sanitising ability; • This compound must conform to the compositional requirements of Title 21 Part 178.1010 of the United States Code of Federal Regulations (CFR). This includes the use of substances generally recognised as safe for use in food and substances used in accordance with the provisions of a prior sanction or approval (in CFR 21); and • Under a C 43 approval it is unacceptable for the directions for use to refer to direct application onto animal material or product. Any indication of this type of use would need to include reference to the FSC.

Allowable approval statement
MPI Approved C 43 (All animal product except dairy)
Mandatory label statements
Directions for use must include a statement that, in the case of operators that only process fish, food contact surfaces must be thoroughly drained to minimise residues and must not imply that it can be used as a no-rinse sanitiser by any other operators.

C 44 Sanitiser

(1) This can be used in all areas.

(2) When used for sanitising quality control equipment, the equipment must be allowed to dry prior to contacting product.

(3) When used as a sanitiser in other circumstances, food contact surfaces must be thoroughly rinsed with suitable water before production starts.

(4) It must be used at a sufficient distance from all food or edible product and food contact packaging material to ensure that there is no possibility of contamination of product or packaging material as a result of use.

Requirements
• Each compound will be assessed on its own merit.
Allowable approval statement
MPI Approved C 44 (All animal product except dairy)
Mandatory label statements
N/A

Hierarchy of approvals – Sanitisers

Approval code	Lesser approval codes imbedded within that approval
C 43	C 41

4.5.6 Topical preparations

C 51 Hand Cleaner Sanitiser (rinse after use)

(1) This can be used for hand washing and sanitising in all areas.

(2) After application, hands must be thoroughly rinsed with suitable water.

(3) There must be no odour left on the hands.

You can support that you meet these requirements with an E1 or E2 approval from NSF.

Requirements
• This approval is limited to liquid hand washing and sanitising compounds; • The compound must have a sanitising ability; • The compound cannot contain any perfume, citrus extracts, essential oil extracts or any other similar strong odorous compounds; and • The directions for use must include reference to a thorough rinse with running suitable water after use.

Allowable approval statement
MPI Approved C 51 (All animal product except dairy)
Mandatory label statements
N/A

C 52 Topical Preparation (for use in stores but not other food areas)

(1) This can be used as a barrier cream, dermatological cream, hand cleaner or body wash, as appropriate.

(2) This can be used in areas where food and edible product or packaging is stored, but it cannot be used in other food or edible areas.

You can support that you meet these requirements with an E4 approval from NSF.

Requirements
• As for C 56 with the addition that excluded compounds can be used; and • The directions for use must not give any indication that use in food areas (excepting stores) is acceptable.
Allowable approval statement
MPI Approved C 52 (All animal product except dairy)
Mandatory label statements
N/A

C 53 Barrier Cream (casings preparation only)

(1) This can be used as a barrier cream and is restricted to use by operators who are employed in the preparation of casings, and whose hands are constantly in water.

(2) This must be supplied from a fixed dispenser located in locker rooms or amenities.

(3) After application, the hands must be washed before the operator enters any other processing area.

Requirements
• This approval is limited to barrier creams that are substantially lanolin based; • The compound must not contain any perfume, citrus extracts, essential oil extracts or any other similar strong odorous compounds; and • Evidence as to the standards of purity of the ingredients and pesticide assays for lanolin used in the formulation must be provided.
Allowable approval statement
MPI Approved C 53 (All animal product except dairy)
Mandatory label statements
The directions for use must include a statement that after application, hands must be washed before the operator enters any other processing area, its use is limited to operators whose hands are constantly in water and are employed in the preparation of casings, and its supply must be limited to a fixed dispenser located in locker rooms or amenities (or words to that effect).

C 54 Hand Sanitiser (no-rinse)

(1) This can be used for hand sanitising in all areas.

(2) This must be supplied from a fixed, metered dispenser located a sufficient distance from the processing area to prevent product contamination.

(3) Before application, hands must be clean. This includes washing the hands where necessary.

(4) After application, the hands need not be rinsed but must be dry before the operator returns to the processing line.

You can support that you meet these requirements with an E3 approval from NSF.

Requirements
• This approval is limited to hand sanitising compounds; • This compound must be substantially alcohol based; • Its use must not leave any detectable water soluble residual on hands after use. The presence of moisturisers or amine compounds is not acceptable for this reason; and • Cellosolve is acceptable.
Allowable approval statement
MPI Approved C 54 (All animal product except dairy)
Mandatory label statements
Where the allowable approval statement is used, the directions for use must include a statement that hands must be clean before the sanitiser is applied (this includes washing the hands where necessary) and its supply must be limited to a fixed, metered dispenser located a sufficient distance from the processing area to prevent product contamination.

C 55 Topical Preparation

(1) This can be used as a special purpose skin compound by personnel in food or edible areas, provided the treated skin is fully protected by an impervious covering at all times during processing.

(2) This must be supplied from a fixed dispenser located in locker rooms or amenities.

Requirements
• This approval is limited to compounds used by persons experiencing rashes due to hands being in gloves for significant periods of time; and • The directions for use must very clearly comply with the conditions of C 55 approval including the need for the compound to be supplied from a fixed dispenser located in locker rooms.
Allowable approval statement
MPI Approved C 55 (All animal product except dairy)
Mandatory label statements
The directions for use must include a statement that treated skin must be fully protected by an impervious covering at all times during processing and its supply must be limited to a fixed dispenser located in locker rooms or amenities.

C 56 Hand Cleaner (rinse after use)

(1) This can be used for hand washing in all areas.

(2) After application, the hands must be thoroughly rinsed with suitable water.

(3) There must be no odour left on the hands.

You can support that you meet these requirements with an E1 approval from NSF.

Requirements
• As for C 51 with the exception that the compound is not required to have any sanitising ability; and • The presence of polymer beads is acceptable.
Allowable approval statement
MPI Approved C 56 (All animal product except dairy)
Mandatory label statements
N/A

Hierarchy of approvals – Topical preparations

Approval code	Lesser approval codes imbedded within that approval
C 51	C 56, C 52
C 56	C 52

4.5.7 Water treatment products

C 61 Water Treatment Product (for suitable water)

(1) This can be used to treat water so it is suitable.

(2) The final concentration of the active element, at the point of use, must meet the requirements of Part C1 Subpart 4: Water of the Animal Products Notice: Production, Supply and Processing.

You can support that you meet these requirements with a G1, G2, G3 or G4 approval from NSF.

Requirements
• This approval is limited to compounds used in potable water; • This compound must conform to the requirements of Title 40 of the United States Code of Federal Regulations (CFR). This includes the use of substances generally recognised as safe for use in food and substances used in accordance with the provisions of a prior sanction or approval (in CFRs) • **Note**: Assessment of these compounds does not relate to compliance with the Water Services (Drinking Water Standards for New Zealand) Regulations 2022.
Allowable approval statement
MPI Approved C 61 (All animal product except dairy)
Mandatory label statements
N/A

C 62 Water Treatment Product (no product contact)

(1) This can be added to the water within boilers, steam lines and/or cooling systems.

(2) The treated water must not be used in food or edible areas, or used in a manner that could contaminate food or edible product or stock drinking water.

(3) Steam produced from the treated water must not be used in food or edible processes or come in contact with food or edible product.

You can support that you meet these requirements with a G7 approval from NSF.

Requirements
• This approval is limited to compounds used for treating boilers, steam lines and/or cooling systems where neither the treated water or any steam produced from treated water is used in food areas, or in such a manner that could contaminate food product; and • Each compound will be assessed on its own merit.
Allowable approval statement
MPI Approved C 62 (All animal product except dairy)
Mandatory label statements
N/A

C 63 Water Treatment Product (steam may contact product)

(1) This can be added to the water used within boilers and steam lines, where the steam produced may contact food or edible product.

You can support that you meet these requirements with a G6 approval from NSF.

Requirements
• This approval is limited to compounds used for treating boilers and steam lines where the steam produced may contact food product; • This compound must conform to the compositional requirements of Title 21 Part 173.310 of the United States Code of Federal Regulations (CFR); and • **Note**: Assessment of these compounds does not relate to compliance with the Water Services (Drinking Water Standards for New Zealand) Regulations 2022.
Allowable approval statement
MPI Approved C 63 (All animal product except dairy)
Mandatory label statements
N/A

C 64 Sewer or Drain Treatment

(1) This can be used for treating sewer or drain lines in any area.

(2) Before use, all food or edible product and food contact packaging material must be removed from the room.

(3) After use in food or edible areas, the drains must be thoroughly flushed before production starts.

(4) Solids recovered from wastewater must not be used in the production of animal foods.

You can support that you meet these requirements with a L1, L2 or LX approval from NSF.

Requirements
• This approval is limited to compounds used for treating sewer or drain lines in any area; and • Where the compound is enzyme-based, evidence must be provided to substantiate that the compound does not contain any viable organisms that may affect animal material or product.
Allowable approval statement
MPI Approved C 64 (All animal product except dairy)
Mandatory label statements

Where the allowable approval statement is used, the directions for use must include a statement that before use, animal material and product and food contact packaging material must be removed from the room and the drains must be thoroughly flushed before production starts (or words to that effect).

C 66 Effluent and Waste Treatment

(1) This can be used in effluent treatment and waste streams where solid wastes are processed through solids recovery systems for use in animal feeds.

Requirements
• This approval is limited to compounds used in effluent treatment and waste streams where solid wastes are processed through solids recovery systems for use in animal feeds; and • Each compound will be assessed on its own merit.
Allowable approval statement
MPI Approved C 66 (All animal product except dairy)
Mandatory label statements
N/A

Hierarchy of approvals – Water treatment products

Approval code	Lesser approval codes imbedded within that approval
C 63	C 62

4.5.8 Packaging materials

C 81 For use on Packaging (product contact)

(1) This product is for use on packaging only and can come into contact with food or edible product.

(2) The amount used must not be greater than is required to accomplish the desired physical or technical effect.

Requirements
• Each compound will be assessed on its own merit; and • The directions for use must indicate that use must not be greater than is required to accomplish the desired physical or technical effect.
Allowable approval statement
MPI Approved C 81 (All animal product except dairy)
Mandatory label statements
N/A

C 82 Packaging Adhesive or Sealant (no product contact)

(1) This product is for use on packaging only and must not come into contact with food or edible product.

Requirements
• This compound is limited to the packaging only and must not come in contact with food products. **Note**: the only compounds that are currently approved are packaging adhesives; and

• Each compound will be assessed on its own merit.
Allowable approval statement
MPI Approved C 82 (All animal product except dairy)
Mandatory label statements
N/A

C 83 Packaging Sachet

(1) This can be included with packaged meat as part of the packaging system.

(2) The sachet must remain intact and none of the contents can come in contact with meat.

Requirements
• This approval is limited to compounds included with packaged meat as part of a packaging system, where the sachet must remain intact and none of the contents can come in contact with the meat; and • Each compound will be assessed on its own merit.
Allowable approval statement
MPI Approved C 83 (All animal product except dairy)
Mandatory label statements
N/A

4.5.9 Pesticides

All compounds are checked for compliance with the ACVM Act 1997. If the compound is defined as an agricultural compound under the ACVM Act, it must be registered unless specifically exempted. Information confirming the status of the compound must be included with an application.

Type A Insecticide (spray or aerosol)

(1) This insecticide can be used in all areas.

(2) It can only be used in food or edible areas as a space spray.

(3) Before use, all food or edible product (except canned product) and food contact packaging material must be removed from the room.

(4) After use, the room must be adequately ventilated and food contact surfaces must be thoroughly rinsed with suitable water before production starts or items are returned to the room.

You can support that you meet these requirements with a F1 approval from NSF.

Requirements
• This approval is limited to insecticides in the form of contact sprays, space sprays and aerosols; • The compound must not contain any perfume, citrus extracts, essential oil extracts or any other similar strong odorous compounds; • The compound must not have any residual killing activity; • The directions for use must very clearly comply with the conditions of Type A approval; • The following non-residual insecticides can be used: – Allethrins; – Lethanes; – Pyrethrins;

– Pyrethrum extract; and – Synthetic pyrethroids; • The following synergists, singly or in combination, can be used in conjunction with the above insecticides: – Piperonyl butoxide; – Piperonal bis[2-(butoxyethoxy)ethyl] acetal (Tropital); – N-Octyl bicycloheptane dicarboximide (MGK 264); – n-Propyl isomer; – Sulfoxide; and • MPI will consider insecticides other than those listed above provided the appropriate Material Safety Data Sheets and any other relevant information on the constituents is included with the application.
Allowable approval statement
MPI Approved Type A (All animal product except dairy)
Mandatory label statements
The directions for use must include a statement that, when used as a space spray, all food products and food contact packaging material, except canned products, must be removed from the room and after use the room must be adequately ventilated, and all food surfaces must be thoroughly washed with suitable water before food products and food contact packaging material are returned to the room (or words to that effect).

Type B Insecticide (not for use in food areas)

(1) This insecticide cannot be used in food or edible areas or any area where food or edible product or food contact packaging material is stored.

(2) It must be used in a manner that prevents the entry of the insecticide into food or edible areas.

Requirements
• This approval is limited to insecticides; • As for Type A with the addition that borax, boric acid, derris or cube root, silica aerogel, and sodium fluoride mixed with inert ingredients such as clay, sugar, or talc, can be used; • It is acceptable for the compound to contain perfume, citrus extracts, essential oil extracts or any other similar strong odorous compounds; • Granular or powdered insecticides, except those marketed exclusively in labelled dispenser containers, must be coloured a definite blue or green to distinguish them from food. Any dye or pigment which imparts a definite blue or green colour to the mixture can be used; • It is acceptable for the compound to have residual activity, i.e. kill insects over an extended period of time; and • The directions for use must not give any indication that use in food areas is acceptable.
Allowable approval statement
MPI Approved Type B (All animal product except dairy)
Mandatory label statements
N/A

Type C Pesticide

(1) This pesticide can only be used in accordance with a pest control programme that has been documented to relevant MPI legislation.

(2) It can be used in food or edible areas provided there is no exposed food or edible product or ingredients present in the room.

(3) It must be removed from food or edible areas before production starts.

Requirements
• This approval is limited to pesticides, including rodenticides and dry baits containing dry inert materials such as grains, meals, or flours; • All liquid baits, and dry baits in which the inert ingredients consist mainly of meal or flour, must be coloured a definite blue or green. Where inert ingredients consist mainly of whole or cracked grain, pressed into cakes or pellets, and clearly have the characteristics of bait, no addition of colour is necessary. This is to minimise the possibility of undetected contamination of food products; • The directions for use must not give any indication that use in: – food areas when exposed product or food ingredients are present is acceptable; and – dry salt cellars is acceptable. • **Note**: it can be used in food areas provided there is no exposed product or food ingredient present in the area and it is removed from food areas before production starts.
Allowable approval statement
MPI Approved Type C (All animal product except dairy)
Mandatory label statements
N/A

Type D Pesticide and Pest Control

(1) This pesticide must be used strictly in accordance with the special conditions contained in the approval letter.

(2) A copy of the approval letter must be available to the animal products officer or recognised verifier upon request.

You can support that you meet these requirements with a F2 approval from NSF.

Type D – Note: Type D products are individually approved, so the approval criteria is unique to each approved product. The specific codes are available on the MPI website at Approval codes for maintenance compounds

Note that **Type D-50 Pesticide** is a generic code.

This must be used in accordance with the following special conditions:

(1) This can be used in accordance with a pest control programme that has been documented to relevant MPI legislation.

(2) This must be used according to the manufacturer's directions.

(3) A copy of the approval document must be available to the animal products officer or recognised verifier upon request.

Requirements
• This approval is limited to miscellaneous pesticides / pest control products, e.g. crack and crevice treatments; • Where the compound contains a pesticide, the directions for use must not give any indication that use in food areas when exposed product or food ingredients are present is acceptable; • Where the compound does not contain a pesticide the directions for use may apply in food areas provided that their use does not create a nuisance;

• Insecticides can be used for a single crack and crevice treatment in food areas including product processing areas, warehouse areas where food product, ingredients, and packaging material are stored in sealed containers; and non-processing areas provided that the following conditions are specified in the directions for use: – all exposed food product and packaging material is removed, covered, or stored in closed containers; – do not indicate surface treatment such as at floor-wall junctions in rooms where use is restricted to crack and crevice treatment; – when used in non-processing offices, welfare areas, etc., insecticides must be used so that they will not be transferred to employees' clothing or other materials that may contact product; – after treatment, the areas must be adequately ventilated, and all food surfaces thoroughly washed with suitable water before food products and packaging material are returned to the room (to remove all traces of contamination); – treated cracks and crevices must be sealed with appropriate material within a reasonable period of time after treatment; and – advise verifier of use of compound.
Allowable approval statement
MPI Approved Type D (All animal product except dairy)
Mandatory label statements
N/A

Hierarchy of approvals – Pesticides

Approval code	Lesser approval codes imbedded within that approval
Type A	Type B

4.5.10 Miscellaneous products

C 101

(1) This must be used in accordance with the special conditions contained in the approval letter.

(2) The operator must have access to a copy of this approval letter containing the product's individual approval criteria.

(3) The animal products officer or recognised verifier must have access to a copy of the approval letter, upon request.

C 101 – Note: C 101 products are individually approved, so the approval criteria is unique to each approved product. The specific codes are available on the MPI website at Approval codes for maintenance compounds

Requirements
• This approval is limited to compounds that do not fit within another specific approval category; and • Each compound will be assessed on its own merit.
Allowable approval statement
MPI Approved C 101 (All animal product except dairy)
Mandatory label statements
N/A

C 102 Air Freshener or Deodoriser

(1) This cannot be used in food or edible areas.

(2) It can be used in external areas and areas where product not intended for human or animal consumption is processed, packaged or stored.

(3) This must not be used to mask the odours of unsanitary conditions.

(4) This must be used in a manner that prevents any perfume invading a food or edible area.

Requirements
• This approval is limited to compounds such as air fresheners, deodorisers etc.; • The directions for use must not give any indication that: – it can be used to mask the odours of unsanitary conditions; or – its use in food areas is acceptable; and • Each compound will be assessed on its own merit.
Allowable approval statement
MPI Approved C 102 (All animal product except dairy)
Mandatory label statements
N/A

C 103 Egg Wash

(1) This product can be used for washing whole shell eggs.

(2) This must be used according to the manufacturer's directions.

(3) Where eggs are intended for sale in the whole shell, the eggs must be subject to a warm water rinse after the cleaning step. This rinse may be with suitable water or a C 104 approved sanitiser solution.

You can support that you meet these requirements with a Q1 approval from NSF.

Requirements
• This approval is limited to compounds used for washing whole shell eggs; and • Each compound will be assessed on its own merit.
Allowable approval statement
MPI Approved C 103 (All animal product except dairy)
Mandatory label statements
N/A

C 104 Egg Sanitiser

(1) This product can be used for sanitising whole shell eggs.

(2) This must be used according to the manufacturer's directions.

You can support that you meet these requirements with a Q3, Q4 or Q6 approval from NSF.

Requirements
• This approval is limited to compounds used for sanitising whole shell eggs; and • Each compound will be assessed on its own merit.

Allowable approval statement
MPI Approved C 104 (All animal product except dairy)
Mandatory label statements
N/A

5 Part B: Guidance – General

5.1 Approvals

5.1.1 Introduction

When a compound is approved a letter confirming this will be issued. The approval remains valid for 5-years following the date of issue of the approval letter, unless revoked by MPI, or surrendered by the approval holder.

A database of all individually approved maintenance compounds is maintained. An approved compound will appear on the Register of approved maintenance compounds within a month of being approved. If an operator wishes to use a compound prior to that occurring, they must hold a copy of the letter of approval.

In addition, the database may also be updated during the year if compounds are voluntarily withdrawn or if there is a failure to comply with the general conditions in the letter of approval.

A revision of all listings will take place monthly. This involves deleting expired approvals that chemical manufacturers have chosen not to re-approve.

5.1.2 Letter of approval

Letters of approval will be issued with the following general conditions:

- This compound is approved for use in premises processing all animal product except dairy, operating under the Animal Products Act regime.
- This approval is under Regulation 247 of the Animal Products Regulations 2021 and Regulation 18 of the Animal Products (Regulated Control Scheme – Limited Processing Fishing Vessels) Regulations 2001, subject to the conditions stated in this approval:
  - <special conditions relative to the product will be inserted here>
- This approval will remain valid until the expiry date [5-years following the date of issue of the approval letter] unless the approval is revoked by notice in writing at an earlier stage.
- This approval may be withdrawn at any time due to unapproved directions for use, or unsatisfactory performance, or any change in product formulation. A new application is required if the holder of this approval wishes to transfer the product to another entity.
- The product must be used in accordance with the manufacturer's instructions and specifications. Refer to Part 4.5 of the Approved maintenance compounds (non-dairy) manual [this manual] for the relevant mandatory label statements and allowable approval statements.
- This approval must not be used as an MPI endorsement of any claim for the product by the manufacturer.

5.1.3 Permitted approval statement

Manufacturers are permitted to include a statement on the label to the effect that the product is approved for use by operators processing non-dairy animal products who are operating under the Animal Products Act regime. Any statement made, however, must include the approval code and must be limited to the following unless otherwise specified in the approval:

- MPI Approved <code> (All animal product except dairy); or
- Ministry for Primary Industries Approved <code> (All animal product except dairy).

The label statement must be acceptable to MPI and must not be misleading. If for any reason the approval becomes void, any labels with an approval statement can no longer be used without removing or covering the

approval statement, otherwise all label stocks must be destroyed. Stocks of product that exist after the date of withdrawal of the approval and that contain label statements that a product has MPI approval, may not be sold to any person without removing or covering the approval statement.

5.1.4 Re-Approval of approved maintenance compounds

Maintenance compound approvals remain valid until 5-years following the date of issue of the approval letter. Re-approval is the responsibility of the approval holder. However, MPI will endeavour to issue a reminder letter notifying that compounds are due for re-approval. Failure to re-approve a compound will result in removal of the compound from the Register of approved maintenance compounds.

Compounds with expired approvals remain valid while MPI is considering the renewal application. Any compounds that are not renewed will be removed in the month following their expiry date.

Further information on re-approving maintenance compounds is provided in Part C.

5.1.5 Non-Compliance with approval

Maintenance compound approvals are issued based on the formulation provided by the applicant being true and accurate.

Where an operator has a suspicion that a maintenance compound does not comply with its approval due to its formulation, labelling etc. the Approvals Group should be advised. When MPI become aware of a suspicion or allegation that a maintenance compound does not comply due to its formulation, labelling etc, they will investigate, and the approval may be withdrawn or other regulatory action may be taken.

6 Part C: Additional guidance – Specifically for applicants

6.1 Chemical approval systems in New Zealand

6.1.1 Animal Products Act – Non-Dairy processing

This manual, and the associated approval system, only applies to maintenance compounds used by operators processing non-dairy animal products who are operating under the Animal Products Act (APA) regime.

6.1.2 Animal Products Act – Dairy processing

Maintenance compounds (chemicals) used in and around farm dairies must be approved by MPI for use in farm dairies.

Maintenance compounds used in dairy manufacturing premises and dairy stores don't have to be approved by MPI, but they must be suitable for the intended use, and the dairy processor or RMP operator must have evidence that the maintenance compounds are suitable. This can be shown by the dairy processor or RMP operator undertaking their own assessment, or by using maintenance compounds approved by MPI for the intended use.

Maintenance compounds used for in other dairy processing activities, such as cleaning, sanitising, or maintaining tankers, transport containers (tanks) and transport units, must be approved by MPI.

A list of approved dairy maintenance compounds is available at Register of approved maintenance compounds.

6.1.3 Food Act 2014

Operators processing food, under the Food Act, are not required to use approved maintenance compounds / chemicals. These operators must determine that the maintenance compounds / chemicals that they use will not adversely affect the food being processed. Some operators voluntarily elect to use APA (Non-dairy) approvals to assist with determining the acceptability of compounds.

6.2 Compounds that require specific approval

6.2.1 Application procedure for gaining chemical approval

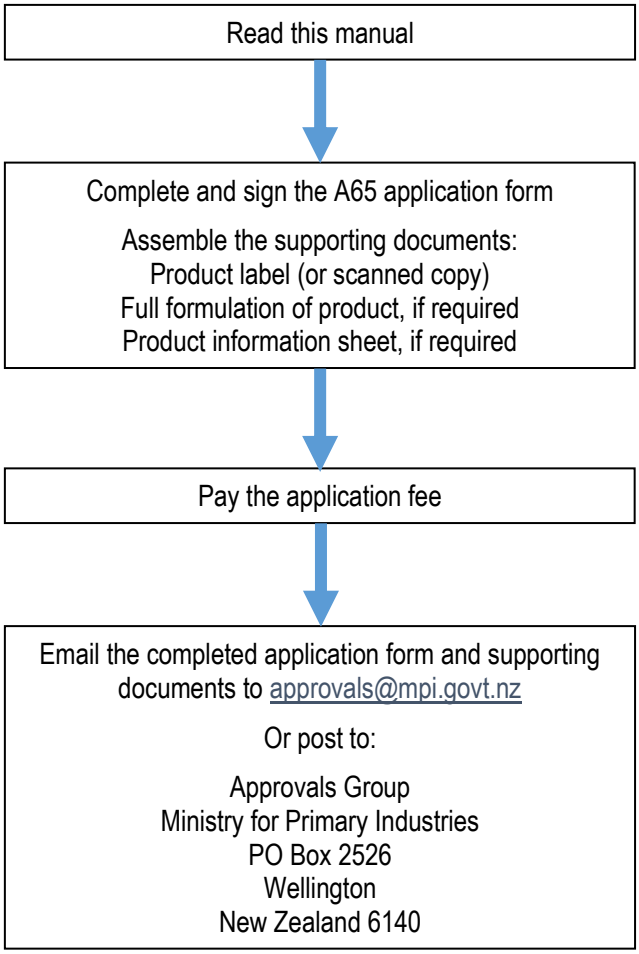
When a compound requires a specific approval, an individual compound specific approval is required. The only exception to this is where compounds can be grouped on the basis that the ingredients remain the same for all compounds in that group and only the percentages vary, e.g. oils where the percentages of ingredients are altered to change the viscosity. In these cases one application can cover a group of compounds.

When one compound formulation is marketed under a number of product names or distributors, a separate application must be made for each individual product.

Refer to **Figure 1: Flow Diagram for Submitting Applications** overleaf when submitting an application as the following are required to be supplied:

- Completed and signed application form;
- Product label (or a copy);
- Product information sheet, where the product label does not include directions for use;
- Assessment fee; and
- Sample, if requested by MPI.

Figure 1. Flow diagram for submitting application.



Application form

The applicant, usually either a manufacturer or distributor, must submit an application on the AP65: Non-Dairy Maintenance Compound Approval form.

The following information is required to be provided on the form:

- Applicant's details including an email address if possible;
- Product trade name as it appears, or will appear, on the label;

Note: this will be used on the approval letter and in the approval database.

- Product composition data for **each ingredient**, including the:
  - chemical name;
  - Chemical Abstracts Service (CAS) number;
  - percentage in the complete formulation. The percentage provided must either be the exact figure or a small range. For example where a cleaner contains 20% sodium hydroxide the content may be shown as 18-22%. Providing broad ranges (e.g. <10%, 10 – 50%), as used on material safety data sheets (MSDS), is not acceptable; and
  - Function.

Note: the full formulation is required to enable the correct decision to be made and to ensure appropriate action is taken when a compound is used incorrectly or in the case of an adverse event.

- Description of the nature of the compound (e.g. cleaner, detergent, lubricant);

  This description only provides an indication of the nature of the compound, it does not control how it can be used. MPI will assign a description, from a standardised list, which best reflects the nature of the compound;

- Approval code requested. Refer "Intended use" column of Approval codes for maintenance compounds (providing approval code with intended use), and refer 4.5: Chemical compound categories of this manual;

  The approval code provides the conditions under which the compound can be used;

- Disinfectant for foot-and-mouth disease responses details, optional; and

  Information relating to listing of disinfectants suitable for use in foot-and-mouth disease emergencies can be included in the application provided the compounds meet the criteria in Section 6.4 of this part;

- Declaration.

  The declaration **must** be signed.

Product label (or a copy)

This must include precautionary statements for the safe handling and storage of the compound.

Previously, samples were required and when commercial samples (e.g. grease cartridges, aerosol cans) were supplied the label on the sample was sufficient to meet this requirement. As samples are no longer required, except where specifically requested by MPI, a product label must be supplied.

Product information sheet

A product information sheet **must** be submitted with the application if the product label does not include adequate directions as to how the compound should be used.

Assessment fee

The prescribed fee, as indicated on the application form, must accompany the application.

Sample

Samples are not normally required to be supplied with applications.

MPI reserves the right to request that a sample be submitted to assist in the assessment of the application. Where a sample is requested, and unless otherwise instructed, a 200 ml or 200 g securely stopped and wrapped sample will need to be supplied. The sender and content details (e.g. an external packing slip) must be clearly visible on the outside of the packaging.

Where a sample is considered necessary to assist in the assessment of the application but the nature of the compound prevents its supply, MPI will consider alternative means in consultation with the applicant.

Submitting the application

The completed and signed application form along with the:

- Product label (or a copy);
- Product information sheet, where the product label does not include directions; and
- Assessment fee

may be submitted electronically to approvals@mpi.govt.nz.

6.2.2 Postal applications

Electronic applications are preferred, but hardcopy applications may be posted to:

Approved Maintenance Compounds (Non-Dairy)
Approvals Group
Ministry for Primary Industries
PO Box 2526
Wellington 6140
New Zealand

All the required information, as per standard applications, must be supplied when making the application, including payment of the assessment fee.

If requested by MPI, sample(s) must be sent to the above address.

6.2.3 Trial approvals

MPI reserves the right to grant trial approvals. These approvals are issued on an infrequent basis and generally when an applicant has a new maintenance compound that they wish to trial in a processing environment to confirm its efficacy etc. Conditions that are generally imposed include directions for use, limitation to a small number of processing facilities and a limited time approval. The assessment fee, if any, is determined on a case-by-case basis.

6.2.4 Compounds with same formulations / groups of similar compounds

Compounds are individually approved except where compounds can be grouped on the basis that the ingredients remain the same for all compounds in that group and only the percentages vary, e.g. oils where the percentages of ingredients are altered to change the viscosity. In these cases one application can cover the group of compounds.

When one compound formulation is marketed under a number of product names or distributors, a separate application must be made for each individual product.

6.2.5 Permitted approval statement

Approval holders are permitted to include a statement on the label to the effect that the product is approved for use in premises processing all animal products except dairy, operating under the Animal Products Act regime. Any statement made, however, must include the approval code and must be limited to the following options unless otherwise specified in the approval:

- MPI Approved <code> (All animal product except dairy); or
- Ministry for Primary Industries Approved <code> (All animal product except dairy).

The label statement must be acceptable to MPI and must not be misleading. If for any reason the approval becomes void, any labels with an approval statement can no longer be used without removing or covering the approval statement, otherwise all label stocks must be destroyed. Stocks of product which exist after the date of withdrawal of the approval and which contain label statements to the effect that a product has MPI approval may not be sold to any person without removing or covering the approval statement.

6.2.6 Confidentiality

MPI regards all information supplied in respect of any application for compound approval in confidence. No information will be supplied to any other person or company without the written authority of the supplier of the information. In the event of any change of ownership of companies or franchises the vendor must notify MPI of the change and authorise any disclosures of information relevant to the transaction.

6.2.7 Application process

Assessment timeframes

MPI aims to process new applications within 10 working days of receipt and re-approvals within 20 working days of receipt, where all the necessary information is supplied. This does not include any time spent waiting for a response from an applicant where clarification has been requested.

Where information (e.g. confidential formulation is to be supplied separately by a third party) the applicant must ensure this information is provided promptly and indicate, at the time of submitting the application, when this information will be provided. It is the applicant's responsibility to ensure this timeframe is met. Failure to supply this information within the stated deadline will result in MPI declining the application.

Incomplete applications

MPI will automatically decline incomplete applications except for cases where there is third party information (e.g. confidential formulation information) pending, as described above.

Deficient Applications

Where MPI receives a complete application but deficiencies are found during the assessment, the application may be automatically declined. However, dependent on the nature of the deficiencies MPI may send one request for further information to the applicant. This will have a specified timeframe by when this information must be provided. If the information is not provided in the specified timeframe, the application will be declined.

6.2.8 Letter of approval

Once satisfied that the compound is suitable for approval the MPI will issue a letter of approval. This approval will then be added to the database of all individually approved maintenance compounds. Until this occurs the approval letter can be used as evidence that the compound is approved.

The approval remains valid until 5-years following the date of issue of the approval letter.

6.2.9 Re-Approval of approved maintenance chemicals

Re-approval is the responsibility of the approval holder. However, MPI will endeavour to issue a reminder letter notifying that compounds are due for re-approval.

The applicant must submit an application on the AP65: Non-Dairy Maintenance Compound Approval form by the date stated in the letter of notification. Failure to do so will result in removal of the compound from the list of approved maintenance compounds.

The notification letter will be sent to the named company and to the address listed in MPI records. MPI accepts no responsibility to verify proprietorship of products where this is different from MPI records.

The procedure for re-approval approved maintenance compounds is as described above for initial applications with the exception of a reduced fee. For a compound to continue to appear as a foot-and-mouth disease disinfectant, this section must be completed. This is necessary to ensure that the information published in the foot-and-mouth disease list is as current as possible.

6.2.10 Changes to be notified

Changes to the approved compound name or the approval holder must be notified to the Approvals Group. This notification must include a copy of the updated label, where relevant, and confirmation that there has

been no change to the formulation. Where the existing product and trade name is to remain approved, a new approval is required for the new compound.

Changes to the approved compound formulation are also required to be notified to the Approvals Group. In this case, the formulation will need to be assessed to ensure that it is still appropriate for the current approval code. MPI reserves the right to charge the applicant for this assessment.

Failure to give notice of changes will void the approval.

6.2.11 Advertising

The approval must not be used as an MPI endorsement of any claim made for the product by the manufacturer.

6.3 Disinfectants for foot-and-mouth disease response

6.3.1 Introduction

Diseases, such as Foot-and-Mouth Disease (FMD), pose a huge risk to New Zealand's agricultural sector.

MPI operate a number of surveillance and response programmes to address this risk. One of these programmes is under the Animal Products Act regime. MPI requires all export animal product operators, except poultry, egg, seafood, and bee products operators, to implement and maintain an operational risk organism response plan (RORP). In this situation a 'risk organism' is defined as an organism either already present in, or new to, New Zealand that poses a potential biosecurity risk.

Within each operator's RORP there must be a description of decontamination procedures including, cleaning and sanitising. Depending on the disease involved different specific chemical materials may be required.

6.3.2 Disinfectants acceptable for FMD responses

Disinfectants are used to inactivate the FMD virus to prevent the spread of the disease to animals. FMD virus is extremely sensitive to changes in pH and the most effective disinfectants are those with a pH below 3 (acidic) or above 11 (alkaline).

To assist operators to know what disinfectants are acceptable for FMD disease responses MPI maintains a Approved maintenance compounds (non-dairy) – disinfectants acceptable for FMD responses that achieve the pH requirements mentioned above. These compounds, when used at the dilutions indicated, are expected to be suitable for cleaning and disinfection in the event of a FMD disease emergency being declared.

This list is based on information that is voluntarily supplied by chemical manufacturers when they apply for maintenance compound (non-dairy) approval. As a result this list will not be complete, and there will be other approved maintenance compounds that achieve the pH requirements. In addition, there may be other disinfectants that can inactive the FMD virus by means other than pH shift.

6.3.3 Disinfectants acceptable for FMD responses listed by manufacturer

Approved maintenance compounds are categorised as either an:

- **acidic disinfectant** suitable for a wide range of surfaces without the risk of corrosion;
- **alkaline disinfectant (non-corrosive)** giving a degree of metal protection and being suitable for a wide range of surfaces without the risk of corrosion; or
- **alkaline disinfectants (corrosive)** suitable for drains and sewers and surfaces where corrosion would not be regarded as critical.

Note: the product label should give a general indication as to the suitability of the disinfectant for different types of surface.

Dilution

The final strength of the disinfectant, when mixed with water, must be a volume / volume percentage for fluid compounds or a weight / volume percentage for solid state compounds. The final strength must achieve a pH of pH 11 or greater for alkaline disinfectants, or pH 3 or less for acid disinfectants.

Stock level

The quantity of disinfectant that could be available either:

- on call; or
- after 48 hours.

This information is intended to be used as a guide to the availability of a particular disinfectant should the need arise. It is appreciated that for some compounds large quantities can be manufactured within a short period of time whilst for others the replenishing of stocks will take longer. Stock levels may be listed under either or both of these headings.

6.4 Criteria for disinfectants for foot-and-mouth disease

6.4.1 Procedures for obtaining listing of compounds

Manufacturers who consider that a currently approved compound will meet the requirements for disinfectants may request to have products recorded for that purpose. The information required, in addition to that specified in the procedures for gaining compound approval or re-approval of approved compounds (see Section 6.2) is:

- specification;
- dilution rate; and
- stock level.

6.4.2 Obligations of manufacturers

Foot-and-mouth disease would seriously impair New Zealand's ability to trade in agricultural products. The resumption of trade will depend on the efficiency and effectiveness of our ability to respond to an outbreak. Maintenance compounds recorded could form part of New Zealand's response to an emergency and it is essential that all information published in this list is valid. Any change in formulation, availability, manufacturer or distributor must be notified to approvals@mpi.govt.nz, or

Approved Maintenance Compounds (Non-Dairy)
Approvals Group
Ministry for Primary Industries
PO Box 2526
Wellington 6140
New Zealand