

# Decision

17 May 2021

## Overview

Substance	A range of substances as listed in the Chemical Review 2019-2020 application form
Application code	APP204060
Application type	To modify an existing approval for a hazardous substance under section 63A of the Hazardous Substances and New Organisms Act (HSNO Act; the Act)
Applicant	Environmental Protection Authority
Submissions received	Three (3) submissions were received: <ul style="list-style-type: none"> <li>• Federated Farmers Limited</li> <li>• Bayer New Zealand</li> <li>• Individual [personal details withheld from publication]</li> </ul>
Considered by	A Decision-making Committee of the Environmental Protection Authority
Decision	Modified reassessment approved
Approval codes	As listed in Appendix A
Hazard classifications	As listed in Appendix A
Date application formally received	14 December 2020
Submission period	17 December 2020 - 26 February 2021
Consideration date	14 - 22 April 2021
Date decision signed	17 May 2021

## Executive summary

The Chemical Review 2019-2020 is a modified reassessment that includes a number of hazardous substances. It is intended as a means of making changes to a number of approvals at once, taking into account new information from stakeholders regarding the classifications of substances.

The reassessment application was formally received on 14 December 2020, and the Environmental Protection Authority (EPA) decided that the application would be progressed as a publicly notified, modified reassessment in accordance with section 63A of the Act.

The only aspects of the approvals being considered in this modified reassessment are the hazard classifications of the substances, with some associated changes to the prescribed controls that apply to those substances. The proposed changes to the hazard classifications and controls, and the justification for those changes, are set out in detail in the application form.

The application was publicly notified to enable the public to comment and to put all relevant information before the decision-makers. The notification period for members of the public and other interested parties to provide written submissions was open from 17 December 2020 to the 26 February 2021. Three submissions were received: two submitters neither supported nor opposed the application, and one submitter supported the application. One submitter requested more information, and indicated they wanted to be heard at a hearing. The EPA corresponded with the submitter, and the submitter decided they no longer required to be heard at a hearing as they had clarification on their enquiry.

The EPA reviewed the submissions and additional information including supporting study data presented by submitters. The proposed hazard classification changes for one of the substances was revised based on the additional information. The EPA Update Report presented an assessment of the original proposals, a summary and review of the submissions and study data, including revisions to the EPA's original proposed hazard classifications, and an overall recommendation.

After considering all relevant information available, the Decision-making Committee (the Committee) decided that it had sufficient information to make a decision.

The Committee assessed all the effects associated with the reassessment in accordance with section 63A(6) of the Act. The Committee considered that the positive effects associated with the reassessment outweigh the adverse effects and decided to approve the modified reassessment application, and implement the changes to the hazard classifications of the substances.

# Contents

- Overview..... 1
- Executive summary ..... 2
- Contents ..... 3
- Background ..... 4
- Process, consultation and notification ..... 4
  - Lodgement and formal receipt..... 4
  - Scope of application ..... 4
  - Notification of application..... 4
  - Response from government agencies ..... 4
  - Submissions received ..... 5
  - Additional information ..... 5
- Application ..... 5
- Submissions ..... 6
- The EPA update report ..... 6
- Approval reissue ..... 8
- Consideration ..... 8
  - Information available for consideration ..... 8
  - Hazard classifications..... 8
  - Controls..... 9
  - Assessment of effects associated with the reassessment ..... 9
- Conclusion and decision ..... 10
- Appendix A: Substances in the Chemical Review 2019-2020 ..... 12
- Appendix B: Control codes for changes in Appendix A ..... 34
- Appendix C: Decision Path ..... 38

## Background

The Chemical Review 2019-2020 is a modified reassessment that includes a number of hazardous substances. It is intended as a means of making changes to a number of approvals at once, taking into account new information from stakeholders regarding the classifications of substances.

A grounds for reassessment request was prepared by the EPA which included details of new data and/or assessments from other international regulatory agencies since the substances were last evaluated and approved in New Zealand. The proposals in the request detailed the revised classifications for individual chemical substances. Grounds were established by a Decision-making Committee of the EPA based on significant new information relating to the effects of the substances.

The EPA then prepared an application for a modified reassessment of the substances, which included the proposed new classifications and changes to controls for all affected substances. The Chemical Review application was publicly notified and open for submissions on the proposed changes.

## Process, consultation and notification

### Lodgement and formal receipt

The reassessment application was formally received on 14 December 2021.

### Scope of application

The EPA's Chief Executive considered the content of the application and decided to use the EPA's discretionary power in section 63A(1) of the Act to proceed with the application as a modified reassessment. It was decided that the scope of the modified reassessment would be limited to an assessment of the hazard classifications of the substances, with some associated changes to the prescribed controls that apply to those substances.

### Notification of application

Subsequently, the General Manager Hazardous Substances and New Organisms decided not to use the EPA's discretionary power in section 63A(4) of the Act to target the consultation on this application, and it was publicly notified in accordance with section 53 of the Act.

The application was open for submissions from 17 December 2020 to the 26 February 2021.

### Response from government agencies

The Ministry for the Environment, the Ministry of Health, the Agricultural Compound and Veterinary Medicines (ACVM) group of the Ministry for Primary Industries, and the Department of Conservation were advised of the application and notified of the submission period.

WorkSafe New Zealand (WorkSafe) is the agency responsible for administering the Health and Safety at Work Act 2015 (HSW Act) and the Health and Safety at Work (Hazardous Substances) Regulations 2017 (HSW (HS) Regulations). No comments were received.

### **Submissions received**

Three submissions were received for this application. Two submitters neither supported nor opposed the application, one submitter supported the application. One of the submitters requested more information, and indicated they wanted to be heard at a hearing. The EPA corresponded with the submitter, and the submitter decided they no longer required to be heard at a hearing as their enquiry was resolved.

### **Additional information**

The timeframe for consideration of this application was extended under section 59 of the Act in order to account for the implementation of a new classification system, the Globally Harmonised System (GHS). As of the 30 April 2021, GHS 7 was adopted as New Zealand's official hazard classification system.

If the substances in the chemical review were to be approved using the old HSNO classification (prior to April 30 2021), it would have resulted in the need to undertake a subsequent reassessment under Section 63C, including forming a second Decision-making Committee to re-approve the substances in Globally Harmonised System. To avoid undertaking an additional reassessment and forming a second DMC, a time extension was used to extend the consideration date to the 23rd of April. This allowed the substances classifications to be modified and approved in line with the implementation of GHS once the decision has been made.

## **Application**

This modified reassessment application includes a number of different hazardous substances. It is intended as a means of making changes to a number of approvals at once, taking into account new information from stakeholders regarding the classifications of substances.

The EPA application detailed all of the proposed revisions to the hazard classifications of substances, with an accompanying justification for the changes. Many changes were supported by information included in regulatory reviews and reports undertaken by competent authorities in the USA, Canada, and Australia, and information held in the European Chemicals Agency (ECHA) databases.

Proposed revisions to both human health and environmental hazard classifications were presented with accompanying justification.

The application also contained proposed revised classifications of substances that are mixtures containing one or more components affected by the proposed classification changes. The proposed hazard classifications for these mixtures were assessed using the new information.

The application also detailed any resultant changes to prescribed controls for each of the affected substances. This would make the controls consistent with those applied to similar, more recently approved, hazardous substances.

## Submissions

Three submissions were received for this application. Details of the submitters and their position on the application are shown in Table 1 below.

**Table 1: List of submitters and submissions**

Group/organisation	Position	Appearance at a hearing
Federated Farmers Ltd	Neither support nor oppose	No
Bayer New Zealand	Neither support nor oppose	No
Individual [personal details withheld from publication]	Support	No

Information gathered from the submissions, where relevant, was used to inform the approach to the hazard assessment. The submissions were fully reviewed and key issues were addressed in the EPA Update Report.

## The EPA update report

An EPA Update Report was prepared to provide information and advice to assist the Committee in making its decision.

The EPA Update Report is the EPA review of the application, the submissions and supporting study data, and assessment of the effects of the proposed changes.

Key points from the EPA's review and assessment of the available information that affected the proposals set out in the application are provided below.

### General submissions and EPA response

Federated Farmers Ltd noted that the applications proposal for the reclassification of active ingredients based on new information do not change any of the prescribed controls, and therefore pose no concern. However, they noted that they would be concerned if any amendments were made to the prescribed controls for flumetsulam, MCPA and salts/mixes, met amitron, trinexapac-ethyl and pymetrozine, due to their importance to arable farmers.

One individual submitter provided support for the application, noting that they would like to see New Zealand implement a similar approach to the European Union (EU), adopting a precautionary principle in relation to chemicals listed in the review that are considered carcinogenic, acutely toxic to aquatic life, and bioaccumulative. The submitter also states that these types of reviews begin to provide clarity and transparency on use and toxicity of the chemicals included, leading to greater regulation around their use.

The EPA noted that the role of chemical reviews is to keep hazard classifications up to date by taking into account new information, such as study data, and reviews or assessments completed by overseas chemical regulators, resulting in consistent classifications of substances. Such classification changes might result in changes to the controls imposed on a substance.

The EPA acknowledges that while in this case no prescribed controls were changed in this modified reassessment, if significant new information was to be found leading to future reassessments of any of these substances, prescribed controls could be updated. Under section 77A of the Act the EPA has the authority to impose controls and vary specified controls. While companies may not need to make any changes if they have already used other up-to-date information for classification, this would be a good opportunity for companies to check their data sources and ensure their products are correctly classified.

### **Bayer New Zealand submission and EPA response**

Bayer New Zealand (“Bayer”) requested more information on the reasoning behind the addition of skin irritancy (6.3B), eye irritancy (6.4A), and skin sensitisation (6.5B) to the product Betanal Quattaro. Bayer considered that the reasoning for the change in classification specified in the application form did not appear to justify the addition of these classifications. They also note that due to this, they are unsure about whether the addition of the control HSW13-7, which refers to the restricted transportation of certain class 6 and 8 substances, is required or not.

Bayer also enquired and corresponded with the EPA about the reasoning behind the decision to remove the acute oral toxicity Category 5 (6.1E (O)) classification in the proposed classification for Betanal Quattaro.

The EPA acknowledged that reliable formulation study data was provided, and concluded that the classifications for skin irritancy, eye irritancy and skin sensitisation were not triggered, and therefore should not be classified. As a result, the addition of the control HSW13-7, which refers to the restricted transportation of certain substances that are classified as acute toxicity Category 1 and 2, respiratory and/or skin sensitisation Category 1, or skin corrosion Category 1B or 1C (class 6 and 8 substances), would no longer apply.

The removal of the acute oral toxicity Category 5 (6.1E (O)) classification was discussed with Bayer where it was explained that the original proposal was to add the acute oral toxicity Category 5 classification, whilst removing the acute dermal toxicity (6.1D (I)) classification. The acute dermal toxicity classification was assigned in the original application APP201839 using mixture rules, and the classification change of the metamitron component means that this classification should be removed from the formulation. Following Bayer’s queries on Betanal Quattro, the EPA considered that the proposed 6.1E (O) classification should not apply. The EPA noted that relevant formulation data was provided in APP201839, showing the substance did not classify for acute oral toxicity (6.1E (O)).

### **EPA evaluation and recommendation**

In the EPA Update Report, the effects of the proposed changes were assessed and it was concluded that there was an overall positive effect in making the proposed changes to the approvals in that the classifications would more accurately represent the hazards of the

substances compared to those identified in the original approvals. No significant adverse effects to the proposed changes were identified.

## Approval reissue

A section 63A modified reassessment of an approval is subject to sections 77, 77A and 77B of the Act. Therefore, the EPA Notice controls will apply to the modified approvals with transitional periods where applicable. Approvals subject to a modified reassessment need to be reissued, under clause 4(3) of Schedule 7 of the Act, to ensure that the approvals are updated to replace the existing prescribed controls (controls set previously under the former HSNO Regulations) with new controls under the EPA Notices. This reissue, will also apply the GHS classifications to the substances.

The approvals for the substances affected by this modified reassessment were reissued on 17 May 2021 prior to the consideration of this modified reassessment. From this date, the EPA Notice controls apply, with a transitional period that ends on 17 May 2022 for the following EPA Notices:

- Hazardous Substances (Labelling) Notice 2017
- Hazardous Substances (Packaging) Notice 2017
- Hazardous Substances (Safety Data Sheet) Notice 2017

## Consideration

### Information available for consideration

The information available to the Committee for consideration of this application consisted of:

- the application form
- the confidential appendix
- the submissions
- additional information provided by submitters under section 58 of the Act
- information received from WorkSafe
- the EPA Update Report.

After considering all relevant information, the Committee decided that it had sufficient information to make a decision on this application.

### Hazard classifications

The Committee considered all of the available information provided in the application, the submissions and additional information, and the review by the EPA presented in the EPA Update Report. The Committee thanks submitters for their contributions and for the provision of study data and other information.

The Committee was satisfied that the proposed hazard classification changes identified in the application form, with the revisions as noted in the EPA Update Report, should apply.



The Committee noted that the proposed changes would result in classifications that more accurately represent the hazards of the substances in the application.

The hazard classifications for all affected substances are shown in Table 2 in Appendix A.

## **Controls**

The Committee noted that the approvals for the substances affected by this modified reassessment were reissued on 17 May 2021. The reissued approvals set out the suite of controls and requirements that apply to the substances.

The Committee noted that changes to hazard classifications would result in changes to the prescribed controls which apply to the substances. The Committee considered that the changes to the prescribed controls based on the changes to the classifications were appropriate.

The controls changes for all affected substances are presented in Table 2 in Appendix A, with full descriptions for each of the control codes listed in Appendix B. The full suite of controls and requirements that apply to each of the approved substances and their updated hazard classifications are presented in a separate approval document for each substance.

## **Assessment of effects associated with the reassessment**

The Committee took into account the EPA assessment of the effects of the proposed changes, as detailed in the EPA Update Report. The key points are summarised below.

The Committee noted that the proposals as set out in the application form, together with the changes recommended in the EPA Update Report, will result in hazard classifications that more accurately represent the hazardous properties of the substances. The Committee considered that the associated modifications to the prescribed controls will result in controls that are more appropriate in terms of their management of the risks of the substances. Substance labels and Safety Data Sheets will more accurately inform users of the hazards of the substances, and appropriate risk mitigation measures can be put in place.

The Committee considered that implementing the proposed changes to the hazard classifications and associated controls will result in a positive change to the effects on human health associated with use of the substances, since the controls will more appropriately manage the human health risks. Therefore, the overall risks to human health for workers, bystanders, and the public will be reduced from when the substances were originally approved.

The Committee considered that implementing the proposed changes to the hazard classifications and associated controls will result in a positive change to the environmental effects associated with use of the substances, since the controls will more appropriately manage the environmental risks, including potential impacts on native or valued species and/or ecosystems. Therefore, the overall environmental risks will be reduced from when the substances were originally approved.

The Committee considered that there are some economic benefits associated with the change to the hazard classifications of the substances. In particular, changing the hazard

classifications and updating the labelling of the substances to reflect the changes will provide customers with increased confidence in products, which will provide potential economic benefits.

The Committee considered that any potential costs to industry of making changes to their labelling, packaging and Safety Data Sheets to reflect the classification change could be mitigated by providing a sufficient period of time to update documentation related to the substances, including labelling, packaging and Safety Data Sheets. The Committee noted that the reissued approvals already set a transitional period ending on 31 March 2022 to comply with controls set in EPA Notices for labelling, packaging and Safety Data Sheets. In view of this, the Committee considered that an implementation period ending on 31 March 2022 should also be provided to allow industry to update documentation to reflect the new hazard classifications.

The Committee did not identify any further positive or negative effects on society, the community, or the market economy associated with the change to the hazard classifications of the substances. The Committee therefore did not consider this further.

The Committee considered that implementing the proposed changes to the hazard classifications and associated controls will result in a positive change to the effects of the substances on the relationship of Māori and their culture and traditions with their ancestral lands, water, sites, wāhi tapu, valued flora and fauna, and other taonga. The Committee reasoned that the classifications and associated controls will more appropriately manage the risks of the substances, and there is no change in the use pattern of the substances, therefore these risks will be reduced from when the substances were originally approved.

The Committee considered that there are some positive effects on New Zealand's international obligations associated with the proposed change to the hazard classifications of the substances in terms of harmonising chemical classifications with other major jurisdictions. In particular, changes to classifications in many cases result in alignment with classifications in the substances' REACH registration dossiers in Europe. Harmonisation of chemical classification approaches is one aspect of New Zealand's international obligations as an OECD member state and assists in ensuring that the best international practices and standards for the safe management of hazardous substances can be applied. No other effects on any international obligations were identified.

Taking into account the effects identified above, the Committee considered that there was an overall positive effect in making the change to the hazard classifications of the approvals, and noted that the classifications will more accurately represent the hazards of the substances compared to those identified in the original approvals. No significant adverse effects have been identified. As the controls will better manage the risks of the substances, the Committee considered the overall impact of the changes to be beneficial.

## **Conclusion and decision**

Pursuant to sections 63A(6) of the Act and section 32 of the Hazardous Substances and New Organisms (Methodology) Order 1998 ("the Methodology"), the Committee considered this application to modify multiple approvals. In doing so, the Committee applied all the relevant sections of the Act and clauses of the Methodology.

The Committee considered that all effects associated with the reassessment have been taken into account, in accordance with section 63A(6)(a) of the HSNO Act. The Committee considered that the positive effects of implementing the changes to the hazard classifications and controls of the approvals outweigh the adverse effects.

In making its decision, the Committee took into account best international practices and standards for the safe management of hazardous substances in accordance with section 63A(6)(b) of the HSNO Act.

Consequently, the Committee confirmed the changes to the hazard classifications of the substances and associated changes to the controls and approved the modified reassessment application.



Signed by:

Date: 17 May 2021

---

**Louise Malone**  
**Chair, Decision-making Committee**  
**Environmental Protection Authority**

---

## Appendix A: Substances in the Chemical Review 2019-2020

Table 2 below lists the substances included in the Chemical Review, together with their approval numbers, and changes to hazard classifications and controls as a result of this decision. For information on the justification as to why these changes were proposed, refer to the Application Form and the EPA Update Report.

**Table 2: Approved substances with classification changes in both HSNO and GHS**

Substance	Approval number	Existing classification	Proposed classification	Equivalent GHS classification for the proposed classification	Proposed changes on prescribed controls
Chlorpropham	HSR002826	6.1E (O), 6.4A, 6.9B (O), 9.1A, 9.2A	6.1E (O), 6.4A, 6.7B, 6.9B (O), 9.1B, 9.2A	Eye irritation Category 2, Carcinogenicity Category 2, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment chronic Category 2, Hazardous to soil organisms	No change
Emulsifiable concentrate containing 500 g/litre chlorpropham	HSR000637	3.1C, 6.4A, 6.9B (O), 9.1B, 9.2A	3.1C, 6.4A, 6.7B, 6.9B (O), 9.1B, 9.2A	Flammable liquid Category 3, Eye irritation Category 2, Carcinogenicity Category 2, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment chronic Category 2, Hazardous to soil organisms	No change
Emulsifiable concentrate containing 400 g/litre chlorpropham (Substance B)	HSR000651	3.1D, 6.1E (O), 6.4A, 6.9B, 9.1B, 9.2A	3.1D, 6.1E (Asp), 6.4A, 6.7B, 6.9B, 9.1B, 9.2A	Flammable liquid Category 4, Aspiration hazard Category 1, Eye irritation Category 2, Carcinogenicity Category 2, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment chronic Category 2, Hazardous to soil organisms	No change
Emulsifiable concentrate containing 400 g/litre chlorpropham (Substance A)	HSR000823	3.1C, 6.1E (O), 6.3B, 6.4A, 6.9B, 9.1B, 9.2A	3.1C, 6.1E (O), 6.1E (Asp), 6.3B, 6.4A, 6.7B, 6.9B (O), 9.1B, 9.2A	Flammable liquid Category 3, Aspiration hazard Category 1, Eye irritation Category 2, Carcinogenicity Category 2, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment chronic Category 2, Hazardous to soil organisms	No change
Fruitfed Chloro-IPC	HSR007885	3.1C, 6.1E (O), 6.1E (D), 6.3A, 6.4A, 6.8B, 6.9B (O), 9.1B, 9.2A	3.1C, 6.1E (O), 6.1E (D), 6.3A, 6.4A, 6.7B, 6.8B, 6.9B (O), 6.9B (I), 9.1B, 9.2A	Flammable liquid Category 3, Skin irritation Category 2, Eye irritation Category 2, Carcinogenicity Category 2, Reproductive toxicity Category 2, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment chronic Category 2, Hazardous to soil organisms	No change

Substance	Approval number	Existing classification	Proposed classification	Equivalent GHS classification for the proposed classification	Proposed changes on prescribed controls
AGPRO CIPC-400	HSR100992	3.1C, 6.1E (O), 6.1E (Oth), 6.3B, 6.9B (O), 8.3A, 9.1A, 9.2A	3.1C, 6.1E (O), 6.1E (Asp), 6.3B, 8.3A, 6.7B, 6.9B (O), 9.1B, 9.2A	Flammable liquid Category 3, Aspiration hazard Category 1, Serious eye damage Category 1, Carcinogenicity Category 2, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment chronic Category 2, Hazardous to soil organisms	No change
BWB 427	HSR101364	6.3A, 6.4A, 6.9B (O), 9.1C, 9.2B	6.3A, 6.4A, 6.7B, 6.9B (O), 9.1C, 9.2B	Skin irritation Category 2, Eye irritation Category 2, Carcinogenicity Category 2, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment chronic Category 3, Hazardous to soil organisms	No change
Flumioxazin	HSR005387	6.8A, 9.1A	6.8B, 6.9B (O), 9.1A, 9.2A	Reproductive toxicity Category 2, Single target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms	No change
Chateau Herbicide	HSR101301	6.8B, 6.9B (O), 9.1A, 9.2A	6.8B, 6.9B (O), 9.1A, 9.2A	Reproductive toxicity Category 2, Single target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms	No change
Water dispersible granule containing 500 g/kg pymetrozine	HSR000412	6.9B, 9.1C	6.7B, 6.9B (O), 6.9B (I), 9.1C	Carcinogenicity Category 2, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment chronic Category 1	No change
Wettable powder containing 250 g/kg pymetrozine	HSR000413	6.9B, 9.1C	6.7B, 6.9B (O), 9.1C	Carcinogenicity Category 2, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment chronic Category 1	No change
Bravium	HSR100290	6.3A, 6.4A, 6.5B, 6.8A, 6.9B (O), 6.9B (I), 9.1C, 9.2D	6.3A, 6.4A, 6.5B, 6.7B, 6.8A, 6.9B (O), 6.9B (I), 9.1C, 9.2D	Skin irritation Category 2, Eye irritation Category 2, Skin sensitisation Category 1, Carcinogenicity Category 2, Reproductive toxicity Category 1, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment chronic Category 2, Hazardous to soil organisms	No change

Substance	Approval number	Existing classification	Proposed classification	Equivalent GHS classification for the proposed classification	Proposed changes on prescribed controls
Minecto Star	HSR101205	6.9B (O), 9.1A, 9.4B	6.7B, 6.9B (O), 9.1A, 9.4B	Carcinogenicity Category 2, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to terrestrial invertebrates	No change
Worthide Xtra	HSR101309	6.7B, 6.9B (O), 9.1C	6.7B, 6.9B (O), 9.1C	Carcinogenicity Category 2, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment chronic Category 1	No change
Monensin	HSR002865	6.1A (O), 6.3B, 6.5B, 8.3A, 9.1A, 9.2B, 9.3A	6.1B (O), 6.3B, 8.3A, 6.5B, 9.1A, 9.2B, 9.3A	Acute oral toxicity Category 2, Serious eye damage Category 1, Skin sensitisation Category 1, Hazardous to the aquatic environment acute Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	No change
MCPA dimethylamine salt	HSR003337	6.1D (D), 6.1D (I), 6.1D (O), 6.3A, 8.3A, 6.5B, 6.8B, 6.9A (I), 6.9A (O), 9.1D, 9.2A 9.3B	6.1D (O), 6.3B, 8.3A, 6.9B (O), 9.1A, 9.2A, 9.3B	Acute oral toxicity Category 4, Serious eye damage Category 1, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	Control deleted: HSW13-7
Soluble concentrate containing 720 - 780 g/litre MCPA as the dimethylamine salt	HSR000381	6.1D (O), 8.3A, 6.9A (O), 9.1A, 9.2A, 9.3B	6.1D (O), 8.3A, 6.9B (O), 9.1A, 9.2A, 9.3B	Acute oral toxicity Category 4, Serious eye damage Category 1, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to soil organisms, Hazardous to terrestrial vertebrates, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1	No change
Soluble concentrate containing 17 g/litre dicamba, 233 g/litre dichlorprop, 107 g/litre MCPA and 210 g/litre mecoprop as the	HSR000405	6.1D (O), 6.1D (I), 6.1E (D), 6.3B, 8.3A, 6.5B, 6.9B, 9.1A, 9.2A, 9.3B	6.1D (O), 6.1D (I), 6.1D (D), 6.3B, 8.3A, 6.5B, 6.9B (O), 9.1A, 9.2A, 9.3B	Acute oral toxicity Category 4, Acute inhalation toxicity Category 4, Acute dermal toxicity Category 4, Serious eye damage Category 1, Skin sensitisation Category 1, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1,	No change

Substance	Approval number	Existing classification	Proposed classification	Equivalent GHS classification for the proposed classification	Proposed changes on prescribed controls
dimethylamine salts				Hazardous to soil organisms, Hazardous to terrestrial vertebrates	
Soluble concentrate containing 500 g/litre MCPA as the dimethylamine salt	HSR000406	6.1D (O), 6.1E (D), 6.3B, 8.3A, 6.5B, 6.9A, 9.1D, 9.2A, 9.3C	6.1D (O), 6.1E (D), 6.3B, 8.3A, 6.5B, 6.9B (O), 9.1A, 9.2A, 9.3C	Acute oral toxicity Category 4, Serious eye damage Category 1, Skin sensitisation Category 1, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	No change
Yates Zero Broadleaf and Prickle Gun	HSR002461	9.2B	9.2B	Hazardous to soil organisms	No change
Yates Double Action Weed n Feed Liquid Formulation	HSR100774	6.3B, 6.4A, 6.5B, 6.8B, 6.9B (O), 6.9B (I), 9.1C, 9.2A, 9.3C	6.3B, 6.4A, 6.9B (O), 9.1C, 9.2A, 9.3C	Eye irritation Category 2, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the environment chronic Category 2, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	Control deleted: HSW13-7
Tribal Gold	HSR100906	6.1D (O), 6.3A, 6.5B, 6.8B, 6.9B (O), 6.9B (I), 8.3A, 9.1A, 9.2A, 9.3C	6.1D (O), 6.3A, 8.3A, 6.5B, 6.8B, 6.9B (O), 6.9B (I), 9.1A, 9.2A, 9.3C	Acute oral toxicity Category 4, Skin irritation Category 2, Serious eye damage Category 1, Skin sensitisation Category 1, Reproductive toxicity Category 2, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	No change
MCPA Giant	HSR101083	6.1D (O), 6.1D (D), 6.1D (I), 6.3B, 8.3A, 6.9B (O), 9.1A, 9.2A, 9.3B	6.1D (O), 6.3B, 8.3A, 6.9B (O), 9.1A, 9.2A, 9.3B	Acute oral toxicity Category 4, Serious eye damage Category 1, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	No change
Multipurpose Lawn Treatment V2	HSR101163	6.1D (O), 6.3A, 6.4A, 6.5B,	6.1D (O), 6.3A, 6.4A, 6.5B,	Acute oral toxicity Category 4, Skin irritation Category 2, Eye irritation	No change

Substance	Approval number	Existing classification	Proposed classification	Equivalent GHS classification for the proposed classification	Proposed changes on prescribed controls
		9.1C, 9.2A, 9.3C	9.1D, 9.2A, 9.3C	Category 2, Skin sensitisation Category 1, Hazardous to the aquatic environment chronic Category 3, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	
Orion Lawn Weed and Feed Concentrate	HSR101260	6.3B, 6.4A, 6.9B (O), 9.2A	6.3B, 6.4A, 6.9B (O), 9.1D, 9.2A, 9.3C	Eye irritation Category 2, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to aquatic organisms chronic Category 3, Hazardous to soil organisms, Hazardous to terrestrial organisms	No change
LP 408	HSR101236	6.3B, 6.4A, 6.5B, 9.1C, 9.2A	6.3B, 6.4A, 6.5B, 9.1D, 9.2A, 9.3C	Eye irritation Category 2, Skin sensitisation Category 1, Hazardous to the aquatic environment chronic Category 3, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	No change
NUL3342	HSR101368	6.1E (O), 6.1E (D), 6.1E (I), 6.4A, 6.8B, 6.9B (O), 6.9B (I), 9.1A, 9.2A, 9.3C	6.1E (O), 6.1E (D), 6.1E (I), 6.4A, 6.8B, 6.9B (O), 6.9B (I), 9.1A, 9.2A, 9.3C	Eye irritation Category 2, Reproductive toxicity Category 2, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	No change
Scotts Lawn Builder Weed Feed and Green Up, 2019	HSR101416	6.3B, 6.4A, 6.9B (O), 9.1D, 9.2A, 9.3C	6.3B, 6.4A, 6.9B (O), 9.1C, 9.2A, 9.3C	Eye irritation Category 2, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to aquatic organisms chronic category 3, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	No change
Monensin sodium	HSR003276	6.1A (O), 6.3B, 8.3A, 6.5B, 9.1A, 9.2B, 9.3A	6.1B (O), 6.3B, 8.3A, 6.5B, 9.1A, 9.2B, 9.3A	Acute oral toxicity Category 2, Serious eye damage Category 1, Skin sensitisation Category 1, Hazardous to the aquatic environment acute Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	No change
Harvey's Dairy Farmix	HSR000019	6.1C (O), 8.3A, 6.5B, 9.3B	6.1D (O), 8.3A, 6.5B, 9.1D, 9.2D, 9.3B	Acute oral toxicity Category 4, Serious eye damage Category 1, Skin sensitisation Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	Controls deleted: HPC-2, HSW13-1, HSW13-5, HSW13-13, HSW13-15, HSW13-16, HSW13-17



Substance	Approval number	Existing classification	Proposed classification	Equivalent GHS classification for the proposed classification	Proposed changes on prescribed controls
Liquid containing 30 - 35 g/litre monensin sodium	HSR002010	6.1C (O), 6.3B, 8.3A, 6.5B, 9.1C, 9.2D, 9.3B	6.1C (O), 6.1E (Asp), 6.3B, 8.3A, 6.5B, 9.1C, 9.2D, 9.3B	Acute oral toxicity Category 3, Aspiration hazard Category 1, Serious eye damage Category 1, Skin sensitisation Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	No change
Capsule containing 400 - 500 g/kg monensin sodium	HSR002017	6.1A (O), 6.3B, 8.3A, 6.5B, 9.1A, 9.2B, 9.3A	6.1B (O), 6.3B, 8.3A, 6.5B, 9.1A, 9.2B, 9.3A	Acute oral toxicity Category 2, Serious eye damage Category 1, Skin sensitisation Category 1, Hazardous to the aquatic environment acute Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	No change
Solid containing 850 - 950 g/kg monensin sodium	HSR002039	6.1A (O), 6.3A, 8.3A, 6.5B, 9.1A, 9.2B, 9.3A	6.1B (O), 6.3A, 8.3A, 6.5B, 9.1A, 9.2B, 9.3A	0726	No change
Liquid containing 50 - 70 g/litre monensin sodium	HSR002315	6.1B (O), 8.3A, 6.5B, 9.1D, 9.2D, 9.3A	6.1D (O), 8.3A, 6.5B, 9.1D, 9.2D, 9.3B	Acute oral toxicity Category 4, Serious eye damage Category 1, Skin sensitisation Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	Controls deleted: HPC-2, HSW4-1, HSW13-1, HSW13-4, HSW13-13, HSW13-15, HSW13-16, HSW13-17
Solid containing 100 – 250 g/kg monensin sodium	HSR002317	6.1B (O), 6.3B, 8.3A, 6.5B, 9.1D, 9.2D, 9.3A	6.1C (O), 6.3B, 8.3A, 6.5B, 9.1A, 9.2B, 9.3A	Acute oral toxicity Category 3, Serious eye damage Category 1, Skin sensitisation Category 1, Hazardous to aquatic organisms acute Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	Control added: HSW13-5; Controls deleted: HSW4-1, HSW13-4
Monensin (Mycelial form)	HSR000968	6.1A (O), 6.3B, 8.3A, 6.5B, 9.1A, 9.2B, 9.3A	6.1B (O), 6.3B, 8.3A, 6.5B, 9.1A, 9.2B, 9.3A	Acute oral toxicity Category 2, Serious eye damage Category 1, Skin sensitisation Category 1, Hazardous to the aquatic environment acute Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	No change
TCNZ807	HSR007841	6.1B (O), 6.3B, 8.3A, 6.5B, 9.1B, 9.2C, 9.3A	6.1C (O), 6.3B, 8.3A, 6.5B, 9.1D, 9.2D, 9.3B	Acute oral toxicity Category 3, Serious eye damage Category 1, Skin sensitisation Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	Control added: HSW13-5; Controls deleted: HSW4-1, HSW13-4

Substance	Approval number	Existing classification	Proposed classification	Equivalent GHS classification for the proposed classification	Proposed changes on prescribed controls
Coxidin 400	HSR007985	6.1A (O), 6.3B, 8.3A, 6.5B, 9.1A, 9.2B, 9.3A	6.1C (O), 6.3B, 8.3A, 6.5B, 9.1A, 9.2B, 9.3A	Acute oral toxicity Category 3, Serious eye damage Category 1, Skin sensitisation Category 1, Hazardous to the aquatic environment acute Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	Controls added: HSW13-5; Controls deleted: HSW4-1, HSW13-4, HSW19-1
CBPTT-99	HSR100010	6.1A (O), 6.3B, 8.3A, 6.5B, 6.8B, 9.1A, 9.2B, 9.3A, 9.4A	6.1B (O), 6.3B, 8.3A, 6.5B, 6.8B, 9.1A, 9.2B, 9.3A, 9.4A	Acute oral toxicity Category 2, Serious eye damage Category 1, Skin sensitisation Category 1, Reproductive toxicity Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates, Hazardous to terrestrial invertebrates	No change
Rumensin Max	HSR100500	6.1B (O), 6.3B, 8.3A, 6.5B, 9.1D, 9.2D, 9.3A, 9.4C	6.1C (O), 6.3B, 8.3A, 6.5B, 9.1D, 9.2D, 9.3B	Acute oral toxicity Category 3, Serious eye damage Category 1, Skin sensitisation Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	Control added: HSW13-5; Controls deleted: HSW4-1, HSW13-4
QANZ1201	HSR100701	6.1B (O), 6.3B, 8.3A, 6.5B, 9.1A, 9.2B, 9.3A	6.1C (O), 6.3B, 8.3A, 6.5B, 9.1A, 9.2B, 9.3A	Acute oral toxicity Category 3, Serious eye damage Category 1, Skin sensitisation Category 1, Hazardous to the aquatic environment acute Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	Controls added: HSW13-5; Controls deleted: HSW4-1, HSW13-4
TDC Monensin 150	HSR101128	6.1B (O), 6.3B, 6.5B, 8.3A, 9.1D, 9.2D, 9.3A	6.1C (O), 6.3B, 8.3A, 6.5B, 9.1D, 9.2D, 9.3B	Acute oral toxicity Category 3, Serious eye damage Category 1, Skin sensitisation Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	Control added: HSW13-5; Controls deleted: HSW4-1, HSW13-4, HSW19-1
MCPA-thioethyl	HSR005152	6.1D (D), 6.1D (I), 6.1D (O), 9.3C	6.1D (O), 9.1A, 9.2A, 9.3B	Acute oral toxicity Category 4, Hazardous to aquatic organisms acute Category 1, Hazardous to aquatic organisms chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	Control added: HPC-4C
Emulsifiable concentrate containing 200	HSR000360	3.1D, 6.1D (O), 6.1D (D), 6.1D (I), 6.3B, 6.4A,	3.1D, 6.1D (O), 6.1E (D), 6.1D (I), 6.1E (Asp),	Flammable liquid Category 4, Acute oral toxicity Category 4, Acute inhalation toxicity Category 4, Aspiration hazard	No change

Substance	Approval number	Existing classification	Proposed classification	Equivalent GHS classification for the proposed classification	Proposed changes on prescribed controls
g/litre bromoxynil as the octanoate ester and 200 g/litre MCPA as the ethyl ester		6.5B, 6.8B, 6.9A, 9.1A, 9.2A, 9.3B	6.3B, 6.4A, 6.5B, 6.8B, 6.9B (O), 9.1A, 9.2A, 9.3B	Category 1, Eye irritation Category 2, Skin sensitisation Category 1, Reproductive toxicity Category 2, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	
Soluble concentrate containing 25 g/litre MCPA and 375 g/litre MCPB as the sodium salts	HSR000726	6.1D (O), 6.4A, 6.8B, 6.9B, 9.1A, 9.2A, 9.3C	6.1D (O), 6.4A, 6.8B, 6.9B(O), 9.1A, 9.2A, 9.3B	Acute oral toxicity Category 4, Eye irritation Category 2, Reproductive toxicity Category 2, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	No change
MCPB Star	HSR101026	6.1D (O), 6.4A, 6.8B, 6.9B (O), 9.1A, 9.2A, 9.3B	6.1D (O), 8.3A, 6.8B, 6.9B (O), 9.1A, 9.2A, 9.3B	Acute oral toxicity Category 4, Serious eye damage Category 1, Reproductive toxicity Category 2, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	No change
Metamitron	HSR003442	6.1B (I), 6.1D (D), 6.1D (O), 9.1A, 9.2A, 9.3C	6.1D (O), 6.1D (I), 9.1A, 9.2A, 9.3C	Acute oral toxicity Category 4, Acute inhalation toxicity Category 4, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	Controls deleted: HPC-2, HSW4-1, HSW13-1, HSW13-4, HSW13-7, HSW13-13, HSW13-15, HSW13-16, HSW13-17, HSW19-1
Water dispersible granule containing 700 g/kg metamitron	HSR000535	6.1B (I), 6.1D (O), 6.1D (D), 9.1A, 9.2A, 9.3C	6.1D (I), 6.1D (O), 9.1A, 9.2A, 9.3C	Acute oral toxicity Category 4, Acute inhalation toxicity Category 4, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1,	Controls deleted: HPC-2, HSW4-1, HSW13-1, HSW13-4, HSW13-7,

Substance	Approval number	Existing classification	Proposed classification	Equivalent GHS classification for the proposed classification	Proposed changes on prescribed controls
				Hazardous to soil organisms, Hazardous to terrestrial vertebrates	HSW13-13, HSW13-15, HSW13-16, HSW13-17, HSW19-1
MITRON 70WG	HSR008044	6.1B (I), 6.1D (O), 6.1D (D), 6.3B, 9.1A, 9.2A, 9.3C	6.1D (O), 6.1D (I), 6.3B, 9.1A, 9.2A, 9.3C	Acute oral toxicity Category 4, Acute inhalation toxicity Category 4, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	Controls deleted: HPC-2, HSW4-1, HSW13-1, HSW13-4, HSW13-7, HSW13-13, HSW13-15, HSW13-16, HSW13-17, HSW19-1
tnl 2815	HSR100524	6.1D (I), 6.1E (O), 6.5B, 6.9B (O), 9.1B, 9.2B	6.1E (O), 6.5B, 6.9B (O), 9.1B, 9.2B	Skin sensitisation Category 1, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment chronic Category 2, Hazardous to soil organisms	No change
GOLTIX UNO Herbicide	HSR100598	6.1C (I), 6.1E (O), 6.9B (I), 9.1B, 9.2A, 9.3C	6.1E (O), 6.9B (I), 9.1B, 9.2A, 9.3C	Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment chronic Category 2, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	Controls deleted: HPC-2, HSW13-1, HSW13-5, HSW13-7, HSW13-13, HSW13-15, HSW13-16, HSW13-17
AGPRO Metamitron	HSR100753	6.1B (I), 6.1D (O), 6.1D (D), 9.1A, 9.2A, 9.3C	6.1D (O), 9.1A, 9.2A, 9.3C	Acute oral toxicity Category 4, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	Controls deleted: HPC-2, HSW4-1, HSW13-1, HSW13-4, HSW13-7, HSW13-13, HSW13-15, HSW13-16, HSW13-17, HSW19-1
Betanal Quattro	HSR100882	6.1D (I), 6.9B (O), 6.9B (I), 9.1B, 9.2A, 9.3C	6.9B (O), 6.9B (I), 9.1B, 9.2A, 9.3C	Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment chronic Category 2, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	No change

Substance	Approval number	Existing classification	Proposed classification	Equivalent GHS classification for the proposed classification	Proposed changes on prescribed controls
Meteor	HSR101023	6.1D (O), 6.1D (D), 6.1D (I), 6.3B, 9.1A, 9.2A, 9.3C	6.1D (O), 6.1D (D), 6.1D (I), 6.3B, 9.1A, 9.2A, 9.3C	Acute oral toxicity Category 4, Acute dermal toxicity Category 4, Acute inhalation toxicity Category 4, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	No change
Metafol 700 SC	HSR101186	6.1B (I), 6.1D (O), 6.1D (D), 6.3B, 6.9B (O), 9.1A, 9.2A, 9.3C	6.1D (O), 6.3B, 6.9B (O), 9.1A, 9.2A, 9.3C	Acute oral toxicity Category 4, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	Controls deleted: HPC-2, HSW4-1, HSW13-1, HSW13-4, HSW13-7, HSW13-13, HSW13-15, HSW13-16, HSW13-17, HSW19-1
Fodder Beet Plus	HSR101136	6.1D (I), 6.1E (O), 6.3B, 6.9B (O), 9.1B, 9.2B	6.1E (O), 6.3B, 6.9B (O), 9.1B, 9.2B	Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment chronic Category 2, Hazardous to soil organisms	No change
Fodder Beet Smooth	HSR101145	6.1D (I), 6.1E (O), 6.1E (D), 6.3B, 6.4A, 6.5B, 6.7B, 6.9B (O), 9.1A, 9.2A, 9.3C	6.1E (O), 6.3B, 6.4A, 6.5B, 6.7B, 6.9B (O), 9.1A, 9.2A, 9.3C	Eye irritation Category 2, Skin sensitisation Category 1, Carcinogenicity Category 2, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	No change
BeetPro	HSR101154	6.1D (I), 6.1E (O), 6.1E (D), 6.1E (Oth), 6.4A, 6.5B, 6.9B (O), 9.1A, 9.2A, 9.3C	6.1E (O), 6.1E (Asp), 6.4A, 6.5B, 6.9B (O), 9.1A, 9.2A, 9.3C	Aspiration hazard Category 1, Eye irritation Category 2, Skin sensitisation Category 1, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	No change
Brevis	HSR101178	6.1D (O), 8.3A, 9.1B, 9.2B, 9.3C	6.1D (O), 8.3A, 9.1B, 9.2B, 9.3C	Acute oral toxicity Category 4, Serious eye damage Category 1, Hazardous to the aquatic environment chronic	No change

Substance	Approval number	Existing classification	Proposed classification	Equivalent GHS classification for the proposed classification	Proposed changes on prescribed controls
				Category 2, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	
Beetron PM	HSR101235	6.1C (I), 6.1E (O), 6.1E (D), 6.9B (O), 9.1A, 9.2A, 9.3C	6.1E (O), 6.9B (O), 9.1A, 9.2A, 9.3C	Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	Controls deleted: HPC-2, HSW13-1, HSW13-5, HSW13-7, HSW13-13, HSW13-15, HSW13-16, HSW13-17
UPBEET	HSR101295	6.1D (I), 6.1E (O), 6.1E (D), 6.3B, 6.9B (O), 9.1A, 9.2B, 9.3C	6.1E (O), 6.3B, 6.9B (O), 9.1A, 9.2B, 9.3C	Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	No change
Mitron Flo	HSR101339	6.1D (O), 6.1D (D), 6.3A, 6.4A, 6.9B (O), 9.1A, 9.2A, 9.3C	6.1D (O), 6.1D (D), 6.3A, 6.4A, 6.9B (O), 9.1A, 9.2A, 9.3C	Acute oral toxicity Category 4, Acute dermal toxicity Category 4, Skin irritation Category 2, Eye irritation Category 2, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	No change
Kentron 700 SC Herbicide	HSR101345	6.1D (O), 6.1D (D), 6.1D (I), 9.1A, 9.2A, 9.3C	6.1D (O), 9.1A, 9.2A, 9.3C	Acute oral toxicity Category 4, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	No change
AG-M4-700 OF1	HSR101361	6.1D (O), 6.1D (I), 6.1E (D), 9.1B, 9.2B, 9.3C	6.1D (O), 6.1D (I), 6.1E (D), 9.1B, 9.2B, 9.3C	Acute oral toxicity Category 4, Acute inhalation toxicity Category 4, Hazardous to the aquatic environment chronic Category 2, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	No change
Meteor Rite	HSR101365	6.1D (O), 6.1D (D), 6.1D (I), 6.3B, 9.1A, 9.2A, 9.3C	6.1D (O), 6.1D (D), 6.1D (I), 6.3B, 9.1A, 9.2A, 9.3C	Acute oral toxicity Category 4, Acute dermal toxicity Category 4, Acute inhalation toxicity Category 4, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic	No change

Substance	Approval number	Existing classification	Proposed classification	Equivalent GHS classification for the proposed classification	Proposed changes on prescribed controls
				environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	
AGPRO MCPA 750 WSG	HSR100909	6.1D (O), 6.1D (D), 6.1D (I), 6.3B, 8.3A, 6.9A (O), 9.1A, 9.2A, 9.3B	6.1D (O), 6.3B, 8.3A, 6.9B (O), 9.1A, 9.2A, 9.3B	Acute oral toxicity Category 4, Serious eye damage Category 1, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	No change
1,3-dichloropropene	HSR001383	3.1B, 6.1C (D), 6.1C (I), 6.1C (O), 6.3A, 6.4A, 6.5B, 6.6B, 6.7B, 6.9B (I), 6.9B (O), 9.1A, 9.2D, 9.3B, 9.4B	3.1C, 6.1C (O), 6.1C (D), 6.1C (I), 6.3A, 6.4A, 6.5B, 6.6B, 6.7B, 6.9B (I), 6.9B (O), 9.1A, 9.2D, 9.3B, 9.4B	Flammable liquid Category 3, Acute oral toxicity Category 3, Acute dermal toxicity Category 3, Acute inhalation toxicity Category 3, Skin irritation Category 2, Eye irritation Category 2, Skin sensitisation Category 1, Germ cell mutagenicity Category 2, Carcinogenicity Category 2, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates, Hazardous to terrestrial invertebrates	Control deleted: HSW10-2
Liquid containing 1153 g/litre 1,3-dichloropropene	HSR001639	3.1B, 6.1C (I), 6.3A, 6.4A, 6.5B, 6.6B, 6.7B, 6.9B (I), 9.1A, 9.2D, 9.3B	3.1C, 6.1C (O), 6.1C (D), 6.1C (I), 6.3A, 6.4A, 6.5B, 6.6B, 6.7B, 6.9B (O), 6.9B (I), 9.1A, 9.2D, 9.3B	Flammable liquid Category 3, Acute oral toxicity Category 3, Acute dermal toxicity Category 3, Acute inhalation toxicity Category 3, Skin irritation Category 2, Eye irritation Category 2, Skin sensitisation Category 1, Germ cell mutagenicity Category 2, Carcinogenicity Category 2, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	Control deleted: HSW10-2
Liquid containing 615 g/kg 1,3-	HSR001640	3.1B, 6.1B (O), 6.1C (D), 6.1A	3.1C, 6.1B (O), 6.1C (D), 6.1A	Flammable liquid Category 3, Acute oral toxicity Category 2, Acute dermal toxicity	Control deleted: HSW10-2

Substance	Approval number	Existing classification	Proposed classification	Equivalent GHS classification for the proposed classification	Proposed changes on prescribed controls
dichloropropene and 345 g/kg chloropicrin		(I), 6.5A, 6.5B, 6.6B, 6.7B, 6.9A (I), 8.2C, 8.3A, 9.1A, 9.2B, 9.3A	(I), 6.5A, 6.5B, 6.6B, 6.7B, 6.9A (I), 8.2C, 8.3A, 9.1A, 9.2B, 9.3A	Category 3, Acute inhalation toxicity Category 1, Skin corrosion Category 1C, Serious eye damage Category 1, Respiratory sensitisation Category 1, Skin sensitisation Category 1, Germ cell mutagenicity Category 2, Carcinogenicity Category 2, Specific target organ toxicity (repeated exposure) Category 1, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates, Hazardous to terrestrial invertebrates	
Tri-Form 60	HSR100563	3.1C, 6.1B (O), 6.1B (D), 6.1A (I), 8.2C, 8.3A, 6.5A, 6.5B, 6.6B, 6.7B, 6.9A (O), 6.9A (I), 9.1A, 9.2B, 9.3A, 9.4B	3.1C, 6.1B (O), 6.1B (D), 6.1A (I), 8.2C, 8.3A, 6.5A, 6.5B, 6.6B, 6.7B, 6.9A (O), 6.9A (I), 9.1A, 9.2B, 9.3A, 9.4B	Flammable liquid Category 3, Acute oral toxicity Category 2, Acute dermal toxicity Category 2, Acute inhalation toxicity Category 1, Skin corrosion Category 1C, Serious eye damage Category 1, Respiratory sensitisation Category 1, Skin sensitisation Category 1, Germ cell mutagenicity Category 2, Carcinogenicity Category 2, Specific target organ toxicity (repeated exposure) Category 1, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates, Hazardous to terrestrial invertebrates	No change
AFE-HFP	HSR101251	3.1D, 6.1A (I), 6.1B (O), 6.1B (D), 8.2C, 8.3A, 6.5A, 6.5B, 6.6B, 6.7B, 6.9A (O), 6.9A (I), 9.1A, 9.2B, 9.3A, 9.4B	3.1D, 6.1A (I), 6.1B (O), 6.1B (D), 8.2C, 8.3A, 6.5A, 6.5B, 6.6B, 6.7B, 6.9A (O), 6.9A (I), 9.1A, 9.2B, 9.3A, 9.4B	Flammable liquid Category 4, Acute oral toxicity Category 2, Acute dermal toxicity Category 2, Acute inhalation toxicity Category 1, Skin corrosion Category 1C, Serious eye damage Category 1, Respiratory sensitisation Category 1, Skin sensitisation Category 1, Germ cell mutagenicity Category 2, Carcinogenicity Category 2, Specific target organ toxicity (repeated exposure) Category 1, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1,	No change



Substance	Approval number	Existing classification	Proposed classification	Equivalent GHS classification for the proposed classification	Proposed changes on prescribed controls
				Hazardous to soil organisms, Hazardous to terrestrial vertebrates, Hazardous to terrestrial invertebrates	
Solid containing 100 - 150 g/kg narasin	HSR002021	6.1B (O), 8.2C, 8.3A, 6.5A, 6.5B, 6.9A, 9.1B, 9.2D, 9.3A	6.1C (O), 8.2C, 8.3A, 6.5A, 6.5B, 6.9A (O), 6.9A (I), 9.1B, 9.2D, 9.3A	Acute oral toxicity Category 3, Skin corrosion Category 1C, Serious eye damage Category 1, Respiratory sensitisation Category 1, Skin sensitisation Category 1, Specific target organ toxicity (repeated exposure) Category 1, Hazardous to the aquatic environment chronic Category 2, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	Control added: HSW13-5; Controls deleted: HSW4-1, HSW13-4
Solid containing 75 - 95 g/kg narasin and 75 - 95 g/kg nicarbazin	HSR002035	6.1B (O), 8.3A, 6.9B, 9.1B, 9.2D, 9.3A	6.1C (O), 8.3A, 6.9B (O), 6.9B (I), 9.1B, 9.2D, 9.3A	Acute oral toxicity Category 3, Serious eye damage Category 1, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to soil organisms, Hazardous to terrestrial vertebrates, Hazardous to the aquatic environment chronic Category 2	Control added: HSW13-5; Controls deleted: HSW4-1, HSW13-4
Thiodicarb	HSR002882	6.1B (I), 6.1B (O), 6.1E (D), 6.4A, 6.9B (O), 9.1A, 9.3A	6.1B (O), 6.1B (I), 6.1E (D), 6.4A, 6.9B (O), 9.1A, 9.3A, 9.4A	Acute oral toxicity Category 2, Acute inhalation toxicity Category 2, Eye irritation Category 2, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to terrestrial vertebrates, Hazardous to terrestrial invertebrates, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1	No change
Ready to use bait containing 40 g/kg thiodicarb and 6.5 g/kg thiram	HSR000138	6.1D (O), 6.1D (I), 6.8B, 6.9B (O), 9.1A, 9.3B	6.1D (O), 6.1D (I), 6.8B, 6.9B (O), 9.1A, 9.3B, 9.4A	Acute oral toxicity Category 4, Acute inhalation toxicity Category 4, Reproductive toxicity Category 2, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to terrestrial vertebrates, Hazardous to terrestrial invertebrates	No change
Bait containing 40 g/kg thiodicarb	HSR000139	6.1D (O), 6.1D (I), 6.9B, 9.1A, 9.3C	6.1D (O), 6.1D (I), 6.9B (All),	Acute oral toxicity Category 4, Acute inhalation toxicity Category 4, Specific target organ toxicity (repeated exposure)	No change

Substance	Approval number	Existing classification	Proposed classification	Equivalent GHS classification for the proposed classification	Proposed changes on prescribed controls
			6.9B (O), 9.1A, 9.3B, 9.4A	Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to terrestrial vertebrates, Hazardous to terrestrial invertebrates	
Wettable powder containing 750 g/kg thiodicarb	HSR000717	6.1C (O), 6.1D (I), 6.9B (O), 9.1A, 9.3A	6.1C (O), 6.1D (I), 6.9B(O), 9.1A, 9.3A, 9.4A	Acute oral toxicity Category 3, Acute inhalation toxicity Category 4, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to terrestrial vertebrates, Hazardous to terrestrial invertebrates	No change
Larvin SC	HSR000963	6.1C (O), 6.1D (I), 6.5B, 6.9B (O), 9.1A, 9.3B	6.1C (O), 6.1D (I), 6.5B, 6.9B (O), 9.1A, 9.3B, 9.4A	Acute oral toxicity Category 3, Acute inhalation toxicity Category 4, Skin sensitisation Category 1, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to terrestrial invertebrates, Hazardous to terrestrial vertebrates	No change
Grass Slurry Green	HSR007990	6.1C (O), 6.1D (I), 6.4A, 6.5B, 6.8B, 6.9B, 9.1A, 9.3A	6.1C (O), 6.1D (I), 6.4A, 6.5B, 6.8B, 6.9B, 9.1A, 9.3A, 9.4A	Acute oral toxicity Category 3, Acute inhalation toxicity Category 4, Eye irritation Category 2, Skin sensitisation Category 1, Reproductive toxicity Category 2, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to terrestrial vertebrates, Hazardous to terrestrial invertebrates	No change
Grass Slurry Gold	HSR007996	6.1C (I), 6.1D (O), 6.5B, 6.8B, 6.9B (O), 9.1A, 9.2B, 9.3A, 9.4A	6.1C (O), 6.1D (I), 6.5B, 6.8B, 6.9B (O), 9.1A, 9.2B, 9.3A, 9.4A	Acute oral toxicity Category 3, Acute inhalation toxicity Category 4, Skin sensitisation Category 1, Reproductive toxicity Category 2, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the	No change

Substance	Approval number	Existing classification	Proposed classification	Equivalent GHS classification for the proposed classification	Proposed changes on prescribed controls
				aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates, Hazardous to terrestrial invertebrates	
Thicarb 500FS	HSR101066	6.1C (O), 6.1B (I), 6.3B, 6.4A, 6.9B (O), 9.1A, 9.3A, 9.4C	6.1C (O), 6.1B (I), 6.4A, 6.9B (O), 9.1A, 9.3A, 9.4A	Acute oral toxicity Category 3, Acute inhalation toxicity Category 2, Eye irritation Category 2, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to terrestrial vertebrates, Hazardous to terrestrial invertebrates	No change
Tea tree oil	HSR003519	3.1C, 6.1D (O), 6.3A, 6.4A, 9.3C	3.1C, 6.1D (O), 6.1D (I), 6.3A, 6.4A, 9.3C	Flammable liquid Category 3, Acute oral toxicity Category 4, Acute inhalation Category 4, Skin irritation Category 2, Eye irritation Category 2, Hazardous to terrestrial vertebrates	No change
Aristopet Flea and Tick Spray	HSR002482	3.1C, 6.4A, 6.5A, 6.5B, 9.1A, 9.4B	3.1C, 6.4A, 6.5A, 6.5B, 9.1A, 9.4B	Flammable liquid Category 3, Eye irritation Category 2, Respiratory sensitisation Category 1, Skin sensitisation Category 1, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to terrestrial invertebrates	No change
Liquid containing 100 - 150 g/litre tea tree oil	HSR100341	3.1B, 6.3A, 6.4A, 9.1D	3.1B, 6.3A, 6.4A, 9.1D	Flammable liquid Category 2, Skin irritation Category 2, Eye irritation Category 2, Designed for biocidal action	No change
eNtomate ECO	HSR100696	6.3B, 9.1D	6.3B, 9.1D	Designed for biocidal action	No change
Timorex Gold	HSR101142	3.1C, 6.1D (I), 6.3A, 6.4A, 6.5B, 6.9B (O), 9.1B	3.1C, 6.1D (I), 6.3A, 6.4A, 6.5B, 6.9B (O), 9.1B	Flammable liquid Category 3, Acute inhalation toxicity Category 4, Skin irritation Category 2, Eye irritation Category 2, Skin sensitisation Category 1, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment chronic Category 2	No change
MCPA	HSR003327	6.1D (D), 6.1D (I), 6.1D (O), 8.3A, 6.3B, 6.9A (O), 9.1A, 9.2A, 9.3B	6.1D (O), 8.3A, 6.9B (O), 9.1A, 9.2A, 9.3B	Acute oral toxicity Category 4, Serious eye damage Category 1, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment acute Category 1,	No change

Substance	Approval number	Existing classification	Proposed classification	Equivalent GHS classification for the proposed classification	Proposed changes on prescribed controls
				Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	
Soluble concentrate containing 18.7 g/litre dicamba, 150 g/litre MCPA and 600 g/litre mecoprop	HSR000348	6.1D (O), 6.1E (D), 6.3B, 8.3A, 6.9A (O), 9.1A, 9.2A, 9.3C	6.1D (O), 6.3B, 8.3A, 6.9B (All), 6.9B (O), 9.1A, 9.2A, 9.3C	Acute oral toxicity Category 4, Serious eye damage Category 1, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	No change
Soluble concentrate containing 18.7 g/litre dicamba, 150 g/litre MCPA and 600 g/litre mecoprop as the dimethylamine salts	HSR000353	6.1D (O), 6.1E (D), 6.5B, 8.3A, 6.9A, 9.1A, 9.2A, 9.3C	6.1D (O), 6.5B, 8.3A, 6.9B (O), 6.9B (I), 9.1A, 9.2A, 9.3C	Acute oral toxicity Category 4, Skin sensitisation Category 1, Serious eye damage Category 1, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	No change
Liquid containing 2.3 g/litre dicamba and 15 g/litre MCPA as amine salts	HSR000359	6.3B, 6.4A, 6.9B, 9.1C, 9.2B, 9.3C	6.3B, 6.4A, 6.9B (O), 9.1D, 9.2B, 9.3C	Eye irritation Category 2, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment chronic Category 3, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	No change
Soluble concentrate containing 21 g/litre dicamba, 42 g/litre MCPA and 168.5 g/litre mecoprop as the diethanolamine salts	HSR000362	6.1D (O), 6.3B, 8.3A, 6.9B (O), 9.1A, 9.2A, 9.3C	6.1D (O), 6.3B, 8.3A, 6.9B (O), 9.1A, 9.2A, 9.3C	Acute oral toxicity Category 4, Serious eye damage Category 1, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	No change
Soluble concentrate containing 6.2 g/litre dicamba, 50 g/litre MCPA and 200 g/litre	HSR000364	6.1D (O), 6.9B, 8.3A, 9.1B, 9.2A, 9.3C	6.1D (O), 6.3A, 8.3A, 6.9B (O), 9.1A, 9.2A, 9.3C	Acute oral toxicity Category 4, Skin irritation Category 2, Serious eye damage Category 1, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the	No change

Substance	Approval number	Existing classification	Proposed classification	Equivalent GHS classification for the proposed classification	Proposed changes on prescribed controls
mecoprop as the dimethylamine salts				aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	
Soluble concentrate containing 25 g/litre MCPA and 375 g/litre MCPB as the dimethylamine salts	HSR000379	6.1D (O), 8.3A, 6.5B, 6.8B, 6.9B, 9.1A, 9.2A, 9.3C	6.1D (O), 8.3A, 6.5B, 6.8B, 6.9B (O), 9.1A, 9.2A, 9.3C	Acute oral toxicity Category 4, Serious eye damage Category 1, Skin sensitisation Category 1, Reproductive toxicity Category 2, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	No change
Soluble concentrate containing 720 - 780 g/litre MCPA as the dimethylamine salt	HSR000381	6.1D (O), 8.3A, 6.9A (O), 9.1A, 9.2A, 9.3B	6.1D (O), 6.3B, 8.3A, 6.9B (O), 9.1A, 9.2A, 9.3B	Acute oral toxicity Category 4, Serious eye damage Category 1, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	No change
Soluble concentrate containing 310 g/litre dichlorprop-p, 160 g/litre MCPA and 130 g/litre mecoprop-p as dimethylamine salts	HSR000417	6.1D (O), 8.3A, 6.5B, 6.9A, 9.1D, 9.2A, 9.3B	6.1D (O), 8.3A, 6.5B, 6.9B (O), 9.1A, 9.2A, 9.3B	Acute oral toxicity Category 4, Serious eye damage Category 1, Skin sensitisation Category 1, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	No change
Soluble concentrate containing 375 g/litre MCPA as the potassium salt	HSR000418	6.1D (O), 8.3A, 6.9A, 9.1A, 9.2A, 9.3C	6.1E (O), 8.3A, 6.9B (O), 9.1A, 9.2A, 9.3B	Serious eye damage Category 1, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	No change
Supamec IT	HSR001739	6.1D (O), 6.1E (D), 6.3B, 8.3A, 6.9A (O),	6.1E (O), 6.3B, 8.3A, 6.9B (O),	Serious eye damage Category 1, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic	No change

Substance	Approval number	Existing classification	Proposed classification	Equivalent GHS classification for the proposed classification	Proposed changes on prescribed controls
		9.1A, 9.2A, 9.3C	9.1A, 9.2A, 9.3B	environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	
Liquid containing 400 - 450 g/litre MCPA as the potassium salt and 25 - 50 g/litre picloram as the potassium salt	HSR100309	6.1D (O), 6.1E (D), 8.2B, 8.3A, 6.9A (O), 9.1A, 9.2A, 9.3C	6.1D (O), 6.5B, 8.2B, 8.3A, 6.9B (O), 9.1A, 9.2A, 9.3C	Acute oral toxicity Category 4, Skin sensitisation Category 1, Skin corrosion Category 1B, Serious eye damage Category 1, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	No change
OCP1002	HSR100136	6.4A, 9.1D, 9.2A	6.4A, 9.1D, 9.2A	Eye irritation Category 2, Hazardous to aquatic environment chronic Category 3, Hazardous to soil organisms	No change
OCP1001	HSR100124	6.3A, 6.4A, 9.2A	6.3A, 6.4A, 9.2A	Skin irritation Category 2, Eye irritation Category 2, Hazardous to soil organisms, Hazardous to the aquatic environment chronic Category 3	No change
Saxon	HSR100501	6.1D (O), 8.2B, 8.3A, 6.9A (O), 6.9B (I), 9.1A, 9.2A, 9.3C	6.1D (O), 8.2B, 8.3A, 6.9B (O), 6.9B (I), 9.1A, 9.2A, 9.3B	Acute oral toxicity Category 4, Skin corrosion Category 1B, Serious eye damage Category 1, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	No change
Trifecta	HSR100698	6.1D (O), 8.2B, 8.3A, 6.5B, 6.8B, 6.9A (O), 6.9A (I), 9.1B, 9.2B, 9.3C	6.1D (O), 8.2B, 8.3A, 6.5B, 6.8B, 6.9A (O), 6.9A (I), 9.1B, 9.2B, 9.3B	Acute oral toxicity Category 4, Skin corrosion Category 1B, Serious eye damage Category 1, Skin sensitisation Category 1, Reproductive toxicity Category 2, Specific target organ toxicity (repeated exposure) Category 1, Hazardous to the aquatic environment chronic Category 2, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	No change
AGPRO Fairway	HSR100775	3.1D, 6.1D (O), 6.1D (I), 6.1E	3.1D, 6.1D (O), 6.1E (Asp),	Flammable liquid Category 4, Acute oral toxicity Category 4, Aspiration hazard	No change

Substance	Approval number	Existing classification	Proposed classification	Equivalent GHS classification for the proposed classification	Proposed changes on prescribed controls
		(Oth), 6.1E (D), 6.3B, 8.3A, 6.7B, 6.9A (O), 6.9B (D), 9.1A, 9.2A, 9.3B	6.3B, 8.3A, 6.7B, 6.9B (O), 6.9B (I), 9.1A, 9.2A, 9.3B	Category 1, Serious eye damage Category 1, Carcinogenicity Category 2, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	
Turf Culture Bow and Arrow NZ Herbicide	HSR100816	6.1D (O), 6.1E (D), 6.3A, 8.3A, 6.9A (O), 9.1A, 9.2A, 9.3B	6.1D (O), 6.3A, 8.3A, 6.9B (O), 9.1A, 9.2A, 9.3B	Acute oral toxicity Category 4, Skin irritation Category 2, Serious eye damage Category 1, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	No change
Yates Lawn Weedkiller Rapid Hose-on and Yates Weed 'n' Feed Rapid Hose-on	HSR101388	6.3B, 6.4A, 6.5B, 6.9B (O), 9.1D, 9.2A, 9.3C	6.3B, 6.4A, 6.5B, 6.9B (O), 9.1D, 9.2A, 9.3C	Eye irritation Category 2, Skin sensitisation Category 1, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment chronic Category 3, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	No change
Emulsifiable concentrate containing 250 g/litre trinexapac-ethyl	HSR000802	3.1D, 6.5B, 9.1D, 9.2D	3.1D, 6.5B, 9.1A	Flammable liquid Category 4, Skin sensitisation Category 1, Hazardous to aquatic organisms acute Category 1, Hazardous to aquatic organisms chronic Category 1	Control added: HPC-4C
Antiga	HSR100067	9.1D, 9.2B	9.1D, 9.2B	Hazardous to the aquatic environment chronic Category 2, Hazardous to soil organisms	No change
Trexel	HSR100269	3.1D, 6.3A, 6.4A, 9.1A, 9.2D	3.1D, 6.3A, 6.4A, 9.1A, 9.3C	Flammable liquid Category 4, Skin irritation Category 2, Eye irritation Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to terrestrial vertebrates	No change
Primo Maxx	HSR100371	3.1D, 6.1D (I), 6.1E (O), 6.1E (D), 6.4A, 9.1D	3.1D, 6.1E (O), 6.4A, 9.1D	Flammable liquid Category 4, Eye irritation Category 2, Designed for biocidal action	No change

Substance	Approval number	Existing classification	Proposed classification	Equivalent GHS classification for the proposed classification	Proposed changes on prescribed controls
Optimus 175 EC	HSR100710	6.3A, 6.4A, 6.5B, 9.1D, 9.2A	6.3A, 6.4A, 6.5B, 9.1D, 9.2A, 9.3C	Skin irritation Category 2, Eye irritation Category 2, Skin sensitisation Category 1, Hazardous to the aquatic environment chronic Category 2, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	No change
Trinex 250 EC	HSR100680	3.1D, 6.3B, 8.3A, 9.1A, 9.2D	3.1D, 6.1E (O), 6.3B, 8.3A, 9.1A, 9.3C	Flammable liquid Category 4, Serious eye damage Category 1, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to terrestrial vertebrates	No change
Moddus Evo	HSR100976	3.1D, 6.1E (O), 6.1E (I), 6.4A, 9.1D, 9.3C	3.1D, 6.1E (O), 6.1E (I), 6.4A, 9.1D, 9.3C	Flammable liquid Category 4, Eye irritation Category 2, Hazardous to the aquatic environment chronic Category 3, Hazardous to terrestrial vertebrates	No change
ENVIROMAX Trinexapac-ethyl 250 EC Turf Growth Regulator	HSR101219	3.1D, 6.1E (O), 6.3B, 8.3A, 9.1A, 9.2D	3.1D, 6.1E (O), 6.3B, 8.3A, 9.1A, 9.3C	Flammable liquid Category 4, Serious eye damage Category 1, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to terrestrial vertebrates	No change
Candopa	HSR101220	3.1D, 6.1E (O), 6.3B, 6.4A, 9.1A, 9.2D	3.1D, 6.1E (O), 6.3B, 6.4A, 9.1A, 9.3C	Flammable liquid Category 4, Eye irritation Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to terrestrial vertebrates	No change
Flumetsulam	HSR003440	6.4A, 9.1A, 9.2A	9.1A, 9.2A	Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms	Deleted all HSW controls
Water dispersible granule containing 800 g/kg flumetsulam	HSR000458	9.1A, 9.2A	9.1A, 9.2A	Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms	No change
Headstart	HSR100555	6.3A, 8.3A, 9.1A, 9.2B	6.3A, 8.3A, 9.1A, 9.2A	Skin irritation Category 2, Serious eye damage Category 1, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms	No change



Substance	Approval number	Existing classification	Proposed classification	Equivalent GHS classification for the proposed classification	Proposed changes on prescribed controls
TNL 2650	HSR100734	6.1E (O), 6.1E (D), 8.2C, 8.3A, 6.8A, 6.9B (I), 9.1A, 9.2B, 9.3C	6.1E (O), 6.1E (D), 8.2C, 8.3A, 6.8A, 6.9B (I), 9.1A, 9.2A, 9.3C	Skin corrosion Category 1C, Serious eye damage Category 1, Reproductive toxicity Category 1, Specific target organ toxicity (repeated exposure) Category 2, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	No change
Tnl 2942	HSR100817	6.1D (O), 6.1E (D), 8.1A, 8.2C, 8.3A, 6.5B, 6.8A, 6.9A (O), 6.9A (D), 6.9A (I), 9.1A, 9.2C, 9.3B	6.1D (O), 6.1E (D), 8.1A, 8.2C, 8.3A, 6.5B, 6.8A, 6.9A (O), 6.9A (I), 9.1A, 9.2B, 9.3B	Acute oral toxicity Category 4, Corrosive to metals Category 1, Skin corrosion Category 1C, Serious eye damage Category 1, Skin sensitisation Category 1, Reproductive toxicity Category 1, Specific target organ toxicity (repeated exposure) Category 1, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	No change
Landstar	HSR101014	6.3B, 9.1A, 9.2A	6.3B, 9.1A, 9.2A	Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms	No change
CORSAIR	HSR101340	6.1D (O), 6.1D (I), 6.1E (D), 6.3B, 6.4A, 6.5B, 6.9A (O), 6.9B (D), 9.1A, 9.2A, 9.3B	6.1D (O), 6.1D (I), 6.1E (D), 6.3B, 6.4A, 6.5B, 6.9A (O), 6.9B (D), 9.1A, 9.2A, 9.3B	Acute oral toxicity Category 4, Acute inhalation toxicity Category 4, Eye irritation Category 2, Skin sensitisation Category 1, Specific target organ toxicity (repeated exposure) Category 1, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1, Hazardous to soil organisms, Hazardous to terrestrial vertebrates	No change

## Appendix B: Control codes for changes in Appendix A

The EPA control codes are listed below in Table 3.

**Table 3: EPA Control codes used in the decision**

Control code	EPA Notice	Control description
LAB	EPA Labelling Notice 2017	<a href="#">Requirements for labelling of hazardous substances</a>
PKG	EPA Packaging Notice 2017	<a href="#">Requirements for packaging of hazardous substances</a>
SDS	EPA Safety Data Sheet Notice 2017	<a href="#">Requirements for safety data sheets for hazardous substances</a>
DIS	EPA Disposal Notice 2017	<a href="#">Requirements for disposal of hazardous substances</a>
HPC-1	EPA Hazardous Property Controls Notice 2017 Part 1	<a href="#">Hazardous Property Controls preliminary provisions</a>
HPC-2	EPA Hazardous Property Controls Notice 2017 Part 2	<a href="#">Certain substances restricted to workplaces only</a>
HPC-3	EPA Hazardous Property Controls Notice 2017 Part 3	<a href="#">Hazardous substances in a place other than a workplace</a>
HPC-4A	EPA Hazardous Property Controls Notice 2017 Part 4A	<a href="#">Site and storage controls for class 9 substances</a>
HPC-4B	EPA Hazardous Property Controls Notice 2017 Part 4B	<a href="#">Use of class 9 substances</a>
HPC-4C	EPA Hazardous Property Controls Notice 2017 Part 4C	<a href="#">Qualifications required for application of class 9 pesticides</a>

The requirements in Table 4 below are not set for a substance under its approval but apply in their own right under the HSW legislation according to the classification of the substance. They are listed in this document for information purposes only.

**Table 4: HSW Requirements referred to in this decision**

Code	Regulation	Description
HSW2-1	Reg 2.1-2.4	<a href="#">Workplace labelling of hazardous substance containers</a>
HSW2-2	Reg 2.5-2.10	<a href="#">Signage</a>
HSW2-3	Reg 2.11	<a href="#">Safety data sheets</a>
HSW2-4	Reg 2.12-2.14	<a href="#">Packaging</a>
HSW3-1	Reg 3.1	<a href="#">Inventory</a>
HSW3-2	Reg 3.2-3.3	<a href="#">Managing risks associated with hazardous substances</a>
HSW4-1	Reg 4.1-4.4	<a href="#">Compliance certificates for certified handlers</a>
HSW4-2	Reg 4.5-4.6	<a href="#">Information, instruction, training and supervision</a>
HSW5-1	Reg 5.2-5.5	<a href="#">Fire extinguishers</a>
HSW5-2	Reg 5.6-5.13	<a href="#">Emergency response plans</a>
HSW7-1	Reg 7.1-7.11	<a href="#">Controlled substance licences</a>
HSW8-1	Reg 8.1-8.2	<a href="#">Compliance certification</a>
HSW8-2	Reg 8.3-8.4	<a href="#">Requirements for public transportation of class 1 to 5 substances</a>
HSW10-1	Reg 10.3	<a href="#">General controls on class 2, 3, and 4 substances</a>
HSW10-2	Reg 10.4	<a href="#">Substances that must be secured</a>
HSW10-3	Reg 10.5	<a href="#">Requirement to segregate class 2, 3, and 4 substances</a>
HSW10-4	Reg 10.6-10.7	<a href="#">Duty of PCBU to establish a hazardous area</a>
HSW10-5	Reg 10.8-10.20	<a href="#">Requirements to prevent unintended ignition of class 2.1.1, 2.1.2 and 3.1 substances</a>
HSW10-10	Reg 10.26	<a href="#">Duty of PCBU to establish hazardous substance location</a>
HSW10-12	Reg 10.30-10.33	<a href="#">Secondary containment for class 3 and 4 pooling substances</a>
HSW10-13	Reg 10.34-10.35	<a href="#">Requirement to have compliance certificate if class 2.1.1, 2.1.2, or 3.1 substance present at hazardous substance location</a>

Code	Regulation	Description
HSW10-15	Reg 10.37	<a href="#">Requirement for transit depot</a>
HSW11-1	Part 11	<a href="#">Controls relating to adverse effects of unintended ignition of class 2 and 3.1 substances</a>
HSW13-1	Reg 13.3-13.4	<a href="#">Records of application for class 6 substances</a>
HSW13-2	Reg 13.7	<a href="#">Duty of PCBU who directs work using class 6, 8.1, 8.2, or 8.3 substances to ensure equipment is appropriate</a>
HSW13-3	Reg 13.8	<a href="#">Duty of PCBU who directs work using class 6 and 8 substances to ensure personal protective equipment used</a>
HSW13-4	Reg 13.9, 13.11	<a href="#">Certain substances to be under personal control of certified handler or secured</a>
HSW13-5	Reg 13.10	<a href="#">Substances not requiring a certified handler to be secured</a>
HSW13-6	Reg 13.12-13.13	<a href="#">Controlled substance licences for certain class 6 substances</a>
HSW13-7	Reg 13.14-13.16	<a href="#">Carriage of certain class 6 and 8 substances on passenger service vehicles</a>
HSW13-8	Reg 13.17	<a href="#">Prohibition on use of substance in excess of tolerable exposure limit</a>
HSW13-9	Reg 13.18	<a href="#">Duty of PCBU to ensure prescribed exposure standards for class 6 substances not exceeded</a>
HSW13-10	Reg 13.19-13.21	<a href="#">Vertebrate toxic agent requirements</a>
HSW13-11	Reg 13.22	<a href="#">Duties of PCBU who directs work using antifouling paints</a>
HSW13-12	Reg 13.23-25	<a href="#">Restricted entry intervals</a>
HSW13-13	Reg 13.26-13.29, 13.34-13.37	<a href="#">Storage and segregation of certain class 6 or 8 substances</a>
HSW13-14	Reg 13.30-33	<a href="#">Secondary containment requirements for class 6 and 8 pooling substances</a>
HSW13-15	Reg 13.34, 13.38-13.39	<a href="#">Duty of PCBU to establish hazardous substance location and compliance certificate requirements where certain class 6 or 8 substances present</a>
HSW13-16	Reg 13.40-13.44	<a href="#">Separation of hazardous substance locations holding class 6 and 8 substances</a>
HSW13-17	Reg 13.45	<a href="#">Additional emergency management requirements for certain class 6 or 8 substances</a>
HSW15-1	Part 15	<a href="#">Requirements for gases under pressure</a>

Code	Regulation	Description
HSW16-1	Part 16	<a href="#">Requirements for tank wagons and transportable containers</a>
HSW17-1	Part 17	<a href="#">Requirements for stationary container systems</a>
HSW19-1	Part 19	<a href="#">Tracking hazardous substances</a>

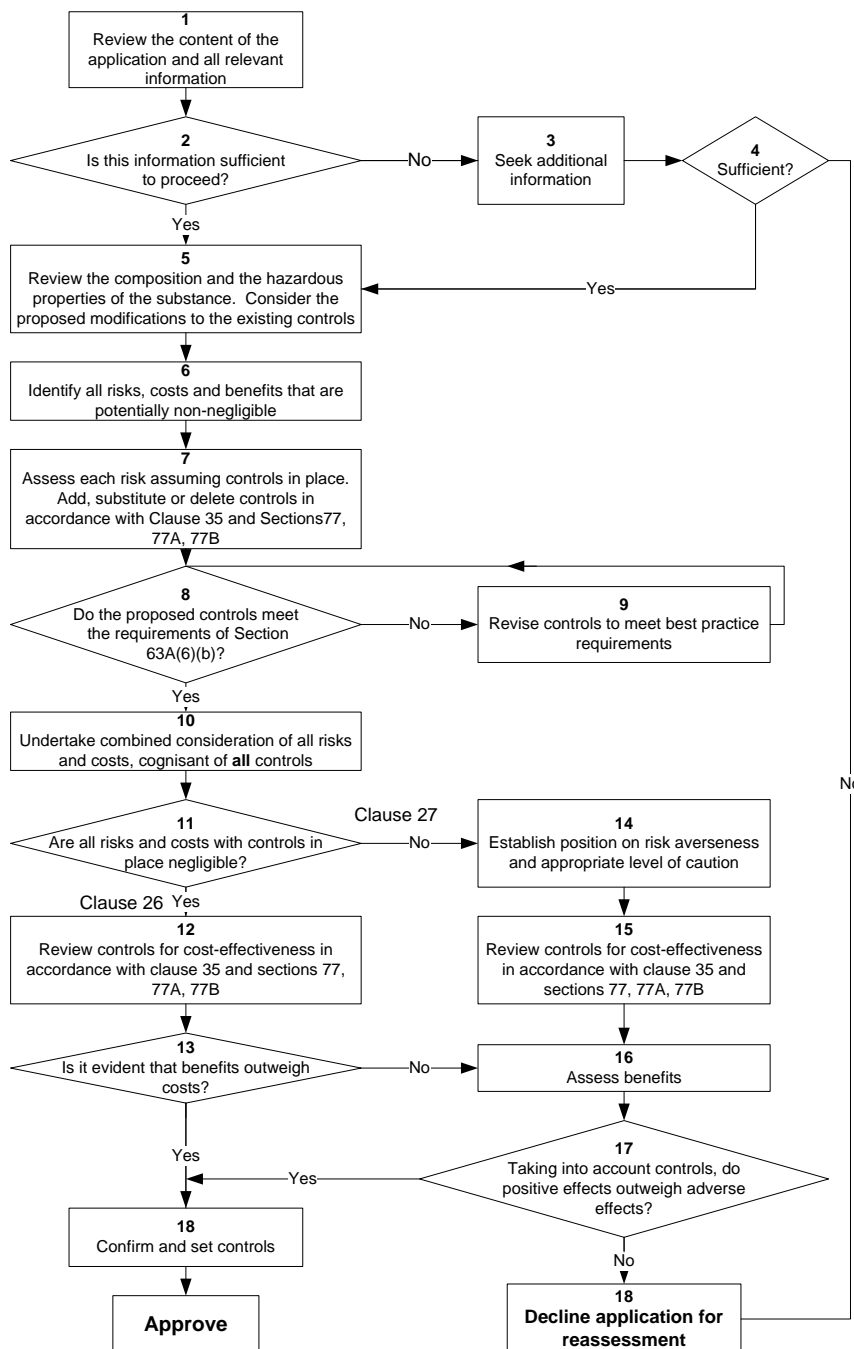
# Appendix C: Decision Path

## Context

This decision path describes the decision-making process for applications for a modified reassessment for amendments to hazardous substances approvals. These applications are made and determined under section 63A of the HSNO Act.

### *Decision path for modified reassessment for amendments to hazardous substance approvals: application made and determined under section 63A.*

For proper interpretation of the decision path it is important to work through the flowchart in conjunction with the explanatory notes.



## **Explanatory Notes**

Item 1:	<p><b>Review the content of the application and all relevant information</b></p> <p>Review the application, the E&amp;R Report, and information received from experts and that provided in submissions (where relevant) in terms of section 28(2) of the Act and clauses 8, 15, 16 and 20 of the Methodology.</p> <p>While section 63A is not mentioned in section 53 (public notification), sections 63A(4) and (5) provide discretion for the HSNO decision maker to consider public notification (cf section 53(2)) and guidance re consultation where an application is not publicly notified.</p>
Item 2:	<p><b>Is this information sufficient to proceed?</b></p> <p>Review the information and determine whether or not there is sufficient information available to make a decision.</p>
Item 3:	<p><b>(if 'no') Seek additional information</b></p> <p>If there is not sufficient information then additional information may need to be sought under section 52 or 58 of the Act.</p> <p>If the applicant is not able to provide sufficient information for consideration then the application is not approved. In these circumstances the HSNO decision maker may choose to decline the application, or the application may lapse.</p>
Item 4	<p><b>Sufficient?</b></p> <p>When additional information has been sought, has this been provided, and is there now sufficient information available to make a decision?</p> <p>If the HSNO decision maker is not satisfied that it has sufficient information for consideration, then the application for reassessment must be declined (see item 18).</p>
Item 5:	<p><b>(if 'yes' from item 2 or from item 4) Review the composition and the hazardous properties of the substance, and the proposed modifications to the existing controls</b></p> <p>Review the composition of the substance, its hazardous properties, and the existing suite of controls on the substance. The level of detail for this review will depend on the nature of the application for modified reassessment. In most cases a detailed review will not be required.</p> <p>Consider the proposed modifications to the existing controls.</p>

<p>Item 6:</p>	<p><b>Identify all risks, costs and benefits that are potentially non-negligible<sup>1</sup></b></p> <p>The modified reassessment process concentrates on a specific aspect of the approval (section 63A(1)(a)). All risks, costs and benefits that are potentially non-negligible need to be identified. However, emphasis should be placed on effects that are expected to change as a result of the proposed changes to controls.</p> <p>Costs and benefits are defined in the Methodology as the value of particular effects. However, in most cases these ‘values’ are not certain and have a likelihood attached to them. Thus costs and risks are generally synonymous and may be addressed together.</p> <p>Examples of costs that cannot be considered as risks are one-off direct financial costs incurred by applicants that cannot be considered as ‘sunk’ costs (see footnote 1). Where such costs arise they will be considered in the same way as risks, but their likelihood of occurrence will be more certain.</p> <p>Identification is a two-step process that scopes the range of possible effects (risks, costs and benefits).</p>	
	<p><b>Step 1:</b></p>	<p>Identify all possible risks and costs (adverse effects) and benefits (positive effects) associated with the approval of the substance(s), and based on the range of areas of impact described in clause 9 of the Methodology and sections 5 and 6 of the Act<sup>2</sup>. Consider the effects of the substance through its lifecycle (clause 11) and include the likely effects of the substance being unavailable (sections 29(1)(a)(iii) and 29(1)(b)(iii)).</p> <p>Relevant costs and benefits are those that relate to New Zealand and those that would arise as a consequence of approving the application (clause 14).</p> <p>Consider short term and long term effects.</p> <p>Identify situations where risks and costs occur in one area of impact or affect one sector and benefits accrue to another area or sector; that is, situations where risks and costs do not have corresponding benefits.</p>

---

<sup>1</sup> Relevant effects are **marginal effects**, or the changes that will occur as a result of the substance being available. Financial costs associated with preparing and submitting an application are not marginal effects and are not effects of the substance(s) and are therefore not taken into account in weighing up adverse and positive effects. These latter types of costs are sometimes called ‘sunk’ costs since they are incurred whether or not the application is successful.

<sup>2</sup> Effects on the natural environment, effects on human health and safety, effects on Māori culture and traditions, effects on society and community, effects on the market economy.

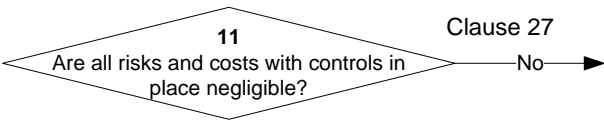


	<b>Step 2:</b>	<p>Document those risks, costs and benefits that can be readily concluded to be negligible<sup>3</sup>, and eliminate them from further consideration.</p> <p>Note that where there are costs that are not associated with risks some of them may be eliminated at this scoping stage on the basis that the financial cost represented is very small and there is no overall effect on the market economy.</p>
Item 7:	<p><b>Assess each risk assuming controls in place. Add, substitute or delete controls in accordance with clause 35 and sections 77, 77A and 77B of the Act.</b></p> <p>The assessment of potentially non-negligible risks and costs should be carried out in accordance with clauses 12, 13, 15, 22, 24, 25, and 29 to 32 of the Methodology. The assessment is carried out with the prescribed controls in place.</p> <p>Assess each potentially non-negligible risk and cost estimating the magnitude of the effect if it should occur and the likelihood of its occurring. Where there are non-negligible financial costs that are not associated with risks then the probability of occurrence (likelihood) may be close to 1. Relevant information provided in submissions should be taken into account.</p> <p>The distribution of risks and costs should be considered, including geographical distribution and distribution over groups in the community, as well as distribution over time. This information should be retained with the assessed level of risk/cost.</p> <p>This assessment includes consideration of how cautious the HSNO decision maker will be in the face of uncertainty (section 7). Where there is uncertainty, it may be necessary to estimate scenarios for lower and upper bounds for the adverse effect as a means of identifying the range of uncertainty (clause 32). It is also important to bear in mind the materiality of the uncertainty and how significant the uncertainty is for the decision (clause 29(a)).</p> <p>Consider the HSNO decision maker’s approach to risk (clause 33 of the Methodology) or how risk averse the HSNO decision maker should be in giving weight to the residual risk, where residual risk is the risk remaining after the imposition of controls.</p> <p>See EPA report ‘Approach to Risk’ for further guidance.</p> <p>Where it is clear that residual risks are non-negligible and where appropriate controls are available, add substitute or delete controls in accordance with sections 77 and 77A of the Act to reduce the residual risk to a tolerable level. If the substance has toxic or ecotoxic properties, consider setting exposure limits under section 77B. While clause 35</p>	

---

<sup>3</sup> Negligible effects are defined in the Annotated Methodology as “Risks which are of such little significance in terms of their likelihood and effect that they do not require active management and/or after the application of risk management can be justified by very small levels of benefits.”

	<p>is relevant here, in terms of considering the costs and benefits of changing the controls, it has more prominence in items 12 and 15.</p> <p>If changes are made to the controls at this stage then the approach to uncertainty and the approach to risk must be revisited.</p>
Item 8:	<p><b>Do the proposed controls meet the requirements of Section 63A(6)(b)?</b></p> <p>Consider whether the proposed controls meet best international practices and standards for the safe management of hazardous substances. This includes the full suite of proposed controls including existing controls and modified controls.</p>
Item 9:	<p><b>(if 'no' from item 8) Revise controls to meet best practice requirements</b></p> <p>If the controls do not meet the best international practice criteria, then modify the controls so that they do meet them.</p>
Item 10:	<div data-bbox="290 1003 734 1182" style="text-align: center;"> <p><b>8</b> Do the proposed controls meet the requirements of Section 63A(6)(b)? Yes</p> </div> <p><b>(if 'yes' from item 8) Undertake combined consideration of all risks and costs, cognisant of proposed controls</b></p> <p>Once the risks and costs have been assessed individually consider all risks and costs together as a 'basket' of risks/costs. If it is feasible and/or appropriate, this may involve combining groups of risks and costs as for Clause 34 of the Methodology. The purpose of this step is to consider synergistic effects and determine whether these may change the level of individual risks.</p>
Item 11:	<p><b>Are all risks and costs with controls in place negligible?</b></p> <p>Looking at individual risks in the context of the 'basket' of risks, consider whether any of the residual risks (costs) are negligible.</p>
Item 12:	<div data-bbox="290 1736 746 1892" style="text-align: center;"> <p><b>11</b> Are all risks and costs with controls in place negligible? Clause 26 Yes</p> </div>

	<p><b>(if 'yes' from item 11) Review controls for cost-effectiveness in accordance with clause 35 and sections 77, 77A and 77B</b></p> <p>Where all risks are negligible the decision must be made under clause 26 of the Methodology.</p> <p>Consider the cost-effectiveness of the proposed individual controls and exposure limits. Where relevant and appropriate, add, substitute or delete controls whilst taking into account the view of the applicant, and the cost-effectiveness of the full package of controls.</p>
<p>Item 13:</p>	<p><b>Is it evident that benefits outweigh costs?</b></p> <p>Risks have already been determined to be negligible (item 9). In the unusual circumstance where there are non-negligible costs that are not associated with risks they have been assessed in item 7.</p> <p>Costs are made up of two components: internal costs or those that accrue to the applicant, and external costs or those that accrue to the wider community.</p> <p>Consider whether there are any non-negligible external costs that are not associated with risks.</p> <p>If there are no external non-negligible costs then external benefits outweigh external costs. The fact that the application has been submitted is deemed to demonstrate existence of internal or private net benefit, and therefore total benefits outweigh total costs<sup>4</sup>.</p> <p>As indicated above, where risks are deemed to be negligible, and the only identifiable costs resulting from approving an application are shown to accrue to the applicant, then a cost-benefit analysis will not be required. The act of an application being lodged will be deemed by the HSNO decision maker to indicate that the applicant believes the benefits to be greater than the costs.</p> <p>However, if this is not the case and there are external non-negligible costs then all benefits need to be assessed (via item 16).</p>
<p>Item 14:</p>	 <pre> graph LR     A{11 Are all risks and costs with controls in place negligible?} -- No --&gt; B[Clause 27]   </pre>

<sup>4</sup>Technical Guide 'Decision making' section 4.9.3. Where risks are negligible and the costs accrue only to the applicant, no explicit cost benefit analysis is required. In effect, the HSNO decision maker takes the act of making an application as evidence that the benefits outweigh the costs. See also Protocol Series 1 'General requirements for the Identification and Assessment of Risks, Costs, and Benefits'

	<p><b>(if ‘no’ from item 10) Establish HSNO decision maker’s position on risk averseness and appropriate level of caution</b></p> <p>Although ‘risk averseness’ (approach to risk, clause 33) is considered as a part of the assessment of individual risks, it is good practice to consolidate the view on this if several risks are non-negligible. This consolidation also applies to the consideration of the approach to uncertainty (section 7).</p>
<p>Item 15:</p>	<p><b>Review controls for cost-effectiveness in accordance with clause 35 and sections 77, 77A and 77B</b></p> <p>This constitutes a decision made under clause 27 of the Methodology (taken in sequence from items 10, 13, 14 and 15).</p> <p>Consider (a) whether any of the non-negligible risks can be reduced by varying the controls in accordance with section 77 and 77A of the Act, and (b) the cost-effectiveness of the controls. Where relevant and appropriate, add, substitute or delete controls whilst taking into account the view of the applicant, and making sure that the benefits of doing so outweigh the costs. As for item 6, If the substance has toxic or ecotoxic properties, consider exposure limits under section 77B.</p>
<p>Item 16:</p>	<p><b>(if ‘no’ from item 13, or in sequence from item 15) Assess benefits</b></p> <p>Assess benefits or positive effects in terms of clause 13 of the Methodology.</p> <p>Since benefits are not certain, they are assessed in the same way as risks. Thus the assessment involves estimating the magnitude of the effect if it should occur and the likelihood of its occurring. This assessment also includes consideration of the HSNO decision maker’s approach to uncertainty or how cautious the HSNO decision maker will be in the face of uncertainty (section 7). Where there is uncertainty, it may be necessary to estimate scenarios for lower and upper bounds for the positive effect.</p> <p>An understanding of the distributional implications of a proposal is an important part of any consideration of costs and benefits, and the distribution of benefits should be considered in the same way as for the distribution of risks and costs. The HSNO decision maker will in particular look to identify those situations where the beneficiaries of an application are different from those who bear the costs<sup>5</sup>. This is important not only for reasons related to fairness but also in forming a view of just how robust any claim of an overall net benefit might be. It is much more difficult to sustain a claim of an overall net benefit if those who enjoy the benefits are different to those who will bear the costs. Thus where benefits accrue to one area or sector and risks and costs are borne by another area or sector then the HSNO decision maker may choose to be more risk averse and to place a higher weight on the risks and costs.</p> <p>As for risks and costs the assessment is carried out with the prescribed controls in place.</p>

<sup>5</sup> Clause 13 of the Methodology

<p>Item 17:</p>	<p><b>Taking into account controls, do positive effects outweigh adverse effects?</b></p> <p>In weighing up positive and adverse effects, consider clause 34 of the Methodology. Where possible combine groups of risks, costs and benefits or use other techniques such as dominant risks and ranking of risks. The weighing up process takes into account controls proposed in items 5, 7 (9), 12 and/or 15.</p> <p>Where this item is taken in sequence from items 14, 15 and 16 (i.e. risks are not negligible) it constitutes a decision made under clause 27 of the Methodology.</p> <p>Where this item is taken in sequence from items 11, 12 and 13 (i.e. risks are negligible, and there are external or public costs) it constitutes a decision made under clause 26 of the Methodology.</p>
<p>Item 18:</p>	<p><b>(if 'no' from item 4 or item 17) Decline application for reassessment</b></p> <p>(from item 4) The Act is silent on the situation if there is insufficient information to consider the application. However, sections 55-61 (section 63A(3)) are deemed to hold, therefore the HSNO decision maker concludes that the application for reassessment may be declined if there is insufficient information.</p> <p>(from item 17) The HSNO decision maker may decline the application under section 63A(6) after taking into account the effects of the substance and best international practices and standards.</p> <p>Section 63A(2)(b) notes that this modified reassessment process cannot result in an approval to import or manufacture the substance being revoked. Therefore, if the process results in a 'decline' decision, then the result is that the modified reassessment of the substance is not approved, and the existing controls remain in force.</p>
<p>Item 19:</p>	<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="text-align: center;"> <pre> graph TD     13{13 Is it evident that benefits outweigh costs?}     17{17 Taking into account controls, do positive effects outweigh adverse effects?}     17 -- Yes --&gt; 13     13 -- Yes --&gt; End(( ))     style End fill:none,stroke:none </pre> </div> <div style="text-align: right;"> <p><b>(if</b></p> </div> </div> <p><b>'yes' from items 13 or 17) Confirm and set controls</b></p> <p>Controls have been considered at the earlier stages of the process (items 5, 7 (9), 12 and/or 15). The final step in the decision-making process brings together all the proposed controls, and reviews them for overlaps, gaps and inconsistencies. Once these have been resolved the controls are confirmed.</p>

