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Re-evaluation Decision

RVD2022-10

Kaolin and Its Associated End-use Product

Final Decision

(publié aussi en français)

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Re-evaluation decision for kaolin and associated end-use product

Under the authority of the *Pest Control Products Act*, all registered pesticides must be regularly re-evaluated by Health Canada's Pest Management Regulatory Agency (PMRA) to ensure that they continue to meet health and environmental safety standards and continue to have value. The re-evaluation considers information from various sources such as data and information from pesticide manufacturers and other regulatory agencies, as well as comments received during public consultations. Health Canada applies internationally accepted risk assessment methods as well as risk management approaches and policies.

Kaolin is a naturally occurring clay mineral and has a long history of use in a variety of consumer and food products. It is used in conjunction with several other integrated pest management practices as a broad-spectrum crop protectant to decrease damage from listed insect pests, sunburn and heat stress on crops. Kaolin is registered for use on pome and stone fruit, tree nuts, carrots, cucurbits, dry beans, grapes, leafy vegetables except *Brassica* vegetables, potatoes, raspberries and strawberries, and onions and shallots. Kaolin can be applied as a spray using air blast, high-pressure hand-held or boom sprayers. Currently registered products containing kaolin can be found in the [Pesticide Product Information Database](#) and are listed in Appendix I.

This document presents the final regulatory decision¹ for the re-evaluation of kaolin. All pest control products containing kaolin that are registered in Canada are subject to this re-evaluation decision. Prior to finalizing this decision, Health Canada published the Proposed Re-evaluation Decision PRVD2021-12, *Kaolin and Its Associated End-use Product*,² for 90-day consultation.

No comments were received during the consultation period. Therefore, this decision is consistent with the proposed re-evaluation decision stated in PRVD2021-12.

A reference list of all data used as the basis for the re-evaluation decision is included in PRVD2021-12.

Regulatory decision for kaolin and its associated end-use product

Health Canada has completed the re-evaluation for kaolin. Under the authority of the *Pest Control Products Act*, Health Canada has determined that continued registration of products containing kaolin is acceptable with label updates. Following a scientific review of the available information, Health Canada has determined that the health and environmental risks and the value of kaolin continue to be acceptable provided that the required label updates are implemented. Label amendments, as summarized below and listed in Appendix II, are required. No additional data are required at this time.

¹ "Decision statement" as required by subsection 28(5) of the *Pest Control Products Act*.

² "Consultation statement" as required by subsection 28(2) of the *Pest Control Products Act*.

Risk mitigation measures

Registered pesticide product labels include specific directions for use. Directions must be followed by law and include risk mitigation measures to protect human health and the environment. The following label amendments are included as part of the re-evaluation:

Human health

- Update to standard label statements (wording related to personal protective equipment and health precautions).

Environment

- Updates to standard label statements (environmental precautions, directions for use, disposal and storage).

Next steps

To comply with this decision, the required amendments (label updates) must be implemented on all product labels no later than 24 months after the publication date of this decision document. Accordingly, both registrants and retailers will have up to 24 months from the date of this decision document to transition to selling the product with the newly amended updated labels. Similarly, users will also have the same 24-month period from the date of this decision document to transition to using the newly amended updated labels, which will be available on the Public Registry. Appendix I lists the products containing kaolin that are registered under the authority of the *Pest Control Products Act* and impacted by this re-evaluation decision.

Other information

Any person may file a notice of objection³ regarding this decision on kaolin and its associated end-use product within 60 days from the date of publication of this Re-evaluation Decision. For more information regarding the basis for objecting (which must be based on scientific grounds), please refer to the Pesticides section of the Canada.ca website (Request a Reconsideration of Decision) contact the PMRA's [Pest Management Information Service](#).

The relevant confidential test data on which the decision is based (as referenced in PRVD2021-12) are available for public inspection, upon application, in the [PMRA's Reading Room](#). For more information, please contact the PMRA's [Pest Management Information Service](#).

³ As per subsection 35(1) of the *Pest Control Products Act*.

Appendix I Registered products containing kaolin in Canada as of 13 April 2022

Table 1 Registered products containing kaolin in Canada as of 13 April 2022¹

Registration number	Marketing class ²	Registrant	Product name	Formulation type	Guarantee
27468	T	Tessenderlo Kerley, Inc.	Kaolin Technical	Solid	99.985%
27469	C	Tessenderlo Kerley, Inc.	Surround WP Crop Protectant	Wettable Powder	95.0%

¹ As of 13 April 2022, excluding discontinued products or products with a submission for discontinuation.

² T = Technical; C = Commercial

Appendix II Required label updates for products containing kaolin

The label amendments presented below do not include all label requirements for individual end-use products, such as first aid statements, disposal statements, precautionary statements and supplementary protective equipment. Information on labels of currently registered products should not be removed unless it contradicts the label statements provided below.

The following label statements are required:

- I. For the commercial class end-use product containing kaolin:

Human health

- Under PRECAUTIONS remove the Personal Protective Equipment statement:

“Mixer/loader and applicator must wear coveralls or long-sleeved shirt and long pants, eye protection, and a dust/mist-filtering respirator (MSHA/NIOSH approval number prefix TC-21C) or a NIOSH approved respirator with any N. R. P. or HE filter. Nuisance dust mask is recommended for workers re-entering treated fields to conduct activities involving high foliar contact (e.g., harvesting, thinning, pruning).”

And replace with the following:

“Wear a NIOSH-approved N95 (minimum) filtering facepiece respirator (dust mask) that is properly fit tested, protective eyewear (goggles or face shield), long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes during mixing, loading, application, clean-up and repair. Gloves and protective eyewear are not required during application within a closed cab.

A NIOSH-approved N95 (minimum) filtering facepiece respirator (dust mask) that is properly fit tested, is recommended for workers entering treated fields to conduct activities involving high foliar contact (e.g., harvesting, thinning, pruning).”

- Under PRECAUTIONS include the current statement for avoiding spray drift:

“Apply only to agricultural crops when the potential for drift to areas of human habitation and human activity, such as houses, cottages, schools and recreational areas, is minimal. Take into consideration wind speed, wind direction, temperature inversions, application equipment, and sprayer settings.”

Environment

- Under ENVIRONMENTAL PRECAUTIONS remove the following:

“Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash water.”

- Under ENVIRONMENTAL PRECAUTIONS add the following:

“To reduce runoff from treated areas into aquatic habitats avoid application to areas with a moderate to steep slope, compacted soil, or clay.

Avoid application when heavy rain forecast.

Contamination of aquatic areas as a result of runoff may be reduced by including a vegetative filter strip between the treated area and the edge of the water body.”

- Under DIRECTIONS FOR USE add the following statements:

“As this product is not registered for the control of pests in aquatic systems, DO NOT use to control aquatic pests.

DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

DO NOT apply by air.”