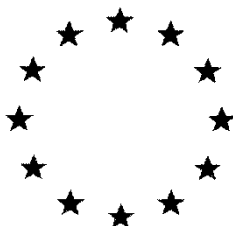


European Commission



Renewal Assessment Report
prepared according to the Commission Regulation (EU) N° 1107/2009

Aluminium Silicate Calcined
(Kaolin calcined)

SURROUND® WP CROP PROTECTANT
Tessenderlo
Volume 3 – B.4 (PPP)

Rapporteur Member State: Greece
Co-Rapporteur Member State: France

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Version History

When	What
February 2018	Initial version.
May 2020	Renewal Assessment Report (RAR)-prepared in the context of the application for renewal of approval of the a.s. according to Regulation (EC) No 1107/2009.

Table of contents

B.4. FURTHER INFORMATION.....	4
B.4.1. SAFETY INTERVALS AND OTHER PRECAUTIONS TO PROTECT HUMANS, ANIMALS AND THE ENVIRONMENT	4
B.4.2. RECOMMENDED METHODS AND PRECAUTIONS	4
B.4.3. EMERGENCY MEASURES IN CASE OF AN ACCIDENT.....	5
B.4.4. PACKAGING, COMPATIBILITY OF THE PLANT PROTECTION PRODUCT WITH PROPOSED PACKAGING MATERIALS.....	6
B.4.5. PROCEDURES FOR DESTRUCTION OR DECONTAMINATION OF THE PLANT PROTECTION PRODUCT AND ITS PACKAGING	6
B.4.5.1. Neutralisation procedures	6
B.4.5.2. Controlled incineration.....	6
B.4.5.3. Disposal of damaged packaging, adsorbents and other materials.....	6
B.4.6. REFERENCES RELIED ON	6

B.4. FURTHER INFORMATION

Highlighted Text: Information added by the evaluator (will be black in the final RAR).

B.4.1. SAFETY INTERVALS AND OTHER PRECAUTIONS TO PROTECT HUMANS, ANIMALS AND THE ENVIRONMENT

Pre-harvest interval (in days) for each relevant crop:

Not applicable. Treatment in vines takes place up to BBCH 65, i.e. before fruit formation.

Re-entry period (in days) for livestock, to areas to be grazed:

Not applicable. Grapevines are not grazed. ~~Not relevant, there is no livestock grazing in pear and vines.~~

Re-entry period (in hours or days) for man to crops, buildings or spaces treated:

A zero-day re-entry period is requested for man. Wait until the spray has dried on the crop. ~~The only safety issues, such as eye irritation or inhalation are minor and relate to the dry powder prior to tank mixing. Once the formulation has become wet and is sprayed, these safety issues are minimized. The adjuvants (stickers) increase the agglomerate size outside of the respirable range and there is little dusting for eye irritation.~~ There are no known toxicity effects of kaolin.

Withholding period (in days) for animal feeding stuffs:

Not applicable. Grapes are not fed to livestock. ~~Not applicable. Surround WP Crop Protectant is not intended for use on animal feeding crops.~~

Waiting period (in days) between application and handling of treated products:

Not applicable. Aluminium silicate (kaolin) is not toxic and is not absorbed through the skin (as evidenced by millennia of use as potter's clay). ~~A zero day waiting period is requested. Surround WP Crop Protectant has no known toxic effect.~~

Waiting period (in days) between last application and sowing or planting succeeding crops:

Not applicable. Aluminium silicate is used in grapevine, a perennial crop. ~~Surround WG is applied to perennial orchard crops, therefore setting a waiting period between applications and sowing the crop to be protected is not necessary.~~

Information on specific conditions under which the preparation may or may not be used:

Do not use in combination with overhead irrigation sprinklers, do not tank-mix with other plant protection products. The effect of Surround® WP Crop Protectant is that of a barrier film. Protection will last until the integrity of the particle film is compromised, either by wind erosion, rainfall or crop development. Therefore, Surround® WP Crop Protectant should not be applied when rain is expected. Avoid wind drift on neighbouring crops..

B.4.2. RECOMMENDED METHODS AND PRECAUTIONS

Warehouse storage:

Keep containers tightly closed in a dry, cool and well ventilated place, away from food or feed. Product is slippery when wet.

User-level storage:

Keep containers tightly closed in a dry, cool and well ventilated place, away from food or feed. Product is slippery when wet.

Please refer to Material Safety Data Sheet (Document H).

Transport:

Surround® WP Crop Protectant is not classified as dangerous in the meaning of transport regulations.

Fire:

Surround® WP Crop Protectant is not classified as flammable. Surround® WP Crop Protectant does not burn. Use extinguishing media appropriate for surrounding fire.

Personal Protective Equipment

Wear suitable protective clothing such as long-sleeved coveralls, boots, gloves, safety glasses with side shields. Although Surround® WP Crop Protectant is not toxic, irritating or sensitizing via the dermal route, the use of gloves is recommended as part of standard health and safety at work procedures.

Storage Conditions

Store the container under cool, dry and well ventilated conditions. Keep away from food, drink and animal feed stuffs. Keep away from heat.

Transport

There are no restrictions for PPP concerning transport by land, sea or air.

Fire

Surround® WP Crop Protectant does not burn. Use extinguishing media appropriate for surrounding fire. Firefighters should wear full fire-fighting turn-out gear (full Bunker gear), including NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

B.4.3. EMERGENCY MEASURES IN CASE OF AN ACCIDENT**Fire:**

Surround® WP Crop Protectant does not burn. Use extinguishing media appropriate for surrounding fire. Firefighters should wear full fire-fighting turn-out gear (full Bunker gear), including NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Containment of spillage:

Cover powder spill with plastic sheet or tarpaulin to minimize spreading and dust generation. Scoop up or vacuum into a container for reclamation or disposal. Avoid stirring up dust. Dispose of as non-hazardous waste. Surround® WP Crop Protectant is composed of 95% kaolin. Kaolin is an inert insoluble mineral and no special method of decontamination is required other than physical removal of excessive quantities. Kaolin is not hazardous to man or the environment.

Surround® WP Crop Protectant is a fine wettable powder (WP) preparation. In the event of a spill, keep unauthorized personnel away and stay upwind to avoid dust.

Emergency workers: wear safety spectacles with side shields or full face mask, approved self-contained breathing apparatus, safety coverall and gloves.

Bystanders: Stay away and upwind of spillage area to avoid dust. If necessary, obtain appropriate safety equipment from emergency workers. Surround® WP Crop Protectant is not acutely toxic, however excessive contact with skin and eye may cause irritation, and breathing excessive quantities can cause lung damage. Bystanders should be removed from the spill area as soon as possible.

First aid measures

Inhalation exposure: Remove from exposure to fresh air. If breathing becomes laboured, administer oxygen. If breathing stops, administer artificial respiration. Obtain immediate medical attention.

Skin contact: Remove contaminated clothing. Flush skin with large amounts of water. Obtain medical attention if irritation persists.

Eye contact: Irrigate immediately with water for 10–15 minutes. Obtain medical attention if irritation persists.

Ingestion: Obtain medical attention immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

B.4.4. PACKAGING, COMPATIBILITY OF THE PLANT PROTECTION PRODUCT WITH PROPOSED PACKAGING MATERIALS

A standard 12.5 kg Kraft-paper bag will be used to package SurroundR WP Crop Protectant.

Bag size is 19.5" x 24.5" x 6.5" when full.

The construction is 2/50 lb natural and 1/50 lb bleached outer ply, which translates as an internal layer of 2 sheets of natural colour paper of weight 50 lb/3000 ft² and an external layer of 1 bleached sheet of weight 50 lb/3000 ft² (roughly 22.7 kg/ 278.7 m²). A copy of the packaging company specification sheet is provided.

Kaolin is inert and has been shipped for decades in Kraft-paper bags for numerous industrial markets without incident.

Surround WP Crop Protectant contains 95% kaolin. The paper bag will not react with kaolin or with any of the additives included in the preparation. Moreover, white bags have usually been coated with kaolin during production.

B.4.5. PROCEDURES FOR DESTRUCTION OR DECONTAMINATION OF THE PLANT PROTECTION PRODUCT AND ITS PACKAGING

B.4.5.1. Neutralisation procedures

Not applicable. Surround® WP Crop Protectant contains 95 % kaolin and 5% food-grade additives. Surround® WP Crop Protectant is inert and non-toxic. No neutralization procedure available.

B.4.5.2. Controlled incineration

Surround® WP Crop Protectant contains 95% kaolin. Kaolin evolves water when heated over 600°C. No further decomposition occurs.

Additives in Surround® WP Crop Protectant do not contain halogens. Thus, pyrolysis cannot generate polyhalogenated dibenzo-p-dioxins.

B.4.5.3. Disposal of damaged packaging, adsorbents and other materials

Packaging: Surround® WP Crop Protectant is packaged in Kraft paper bags which can be incinerated as non-hazardous waste

Adsorbents: Surround® WP Crop Protectant is a solid and does not require adsorbing materials in the event of spillage. Scoop up or vacuum into a container for reclamation or disposal. Dispose of as non-hazardous waste.

Other materials: Surround® WP Crop Protectant is nontoxic and can be safely rinsed out with water and soap. In the event of damage, please wash the damaged item with soap and water prior to disposal according to the item's disposal regulations.

Not relevant, neutralisation procedures are not required for Surround WG. Dispose of contaminated packaging in accordance with governmental or local authority regulations.

B.4.6. REFERENCES RELIED ON

None.