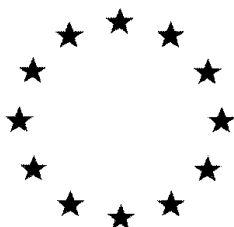


European Commission



Addendum
VOLUME 3 – Annex B (A12115I)

Abamectin

B.4 Further information

Rapporteur Member State: The Netherlands

April 2015

**Draft Assessment Report and Proposed decision of the Netherlands prepared
in the context of the possible extension of the approval conditions of
abamectin under Regulation (EC) 1107/2009**

Version history page

Date	Version history
April 2015	Initial version

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B.4 Further information

B.4.1 Packaging, compatibility of the plant protection product with proposed packaging materials

Packaging proposed for A12115I is PET or HDPE bottles. Information/data on packaging type, dimensions, capacity, size of opening, type of closure, strength, leakproofness, resistance to normal transport and handling, resistance to and compatibility with the contents of the packaging, have been submitted, evaluated and are considered to be acceptable.

Primary container

250 ml canister Material :	Polyethylene terephthalate (PET) or high density polyethylene (HDPE)
Diameter x Height :	65 mm x 130 mm
Capacity (nominal) :	250 mL
Size opening :	45 mm diameter
Closure and seal :	Screw cap closure with induction heat seal or compression wad and tamper evident ring
500 mL canister Material :	High density polyethylene (HDPE)
Diameter x Height :	76 mm x 170 mm
Capacity (nominal) :	500 mL
Size opening :	45 mm diameter
Closure and seal :	Screw cap closure with induction heat seal or compression wad and tamper evident ring
1L canister Material :	High density polyethylene (HDPE)
Diameter x Height :	89 mm x 230 mm
Capacity (nominal) :	1L
Size opening :	45 mm diameter
Closure and seal :	Screw cap closure with induction heat seal or compression wad and tamper evident ring
5L canister Material :	High density polyethylene (HDPE)
Length x Width x Height :	190 mm x 135 mm x 315 mm
Capacity (nominal) :	5L
Size opening :	63 mm diameter
Closure and seal :	Screw cap closure with induction heat seal or compression wad and tamper evident ring
10 L canister Material :	High density polyethylene (HDPE)
Length x Width x Height :	240 mm x 180 mm x 375 mm
Capacity :	10 L
Size opening :	63 mm diameter
Closure and seal :	Screw cap closure with induction heat seal or compression wad and tamper evident ring

The packaging for formulation complies with all current UN and ADR requirements for use with this product.

B.4.2 Procedures for cleaning application equipment

Immediately after use, clean the spray equipment thoroughly. Drain the system completely and rinse spray tank, boom and nozzles two to three times with clean water until the foam and all traces of product have been removed. Rinse protective clothing with water and detergent.

Tests (Kalt, R., 2009d) have been carried out to determine the effectiveness of the tank cleaning procedure for A12115I (abamectin SC (020)). After applying the cleaning procedure, 0.16 % residue was found in the refilled spray tank; the cleaning procedure was deemed to be effective.

B.4.3 Re-entry periods, necessary waiting periods or other precautions to protect man, livestock and the environment

Regarding pre-harvest intervals, please refer to volume 3, B3. Please refer to the residues section regarding re-entry, withholding periods and waiting periods.

B.4.4 Recommended methods and precautions concerning: handling, storage, transport or fire

Warehouse storage

Requirements for storage areas and containers:

No special storage conditions required.

Keep containers tightly closed in a dry, cool and well-ventilated place.

Keep out of the reach of children.

Keep away from food, drink and animal feedingstuffs.

Advice on safe handling:

No special protective measures against fire required.

Avoid contact with skin and eyes.

When using do not eat, drink or smoke.

User level storage

Refer to warehouse storage.

Transport

Land transport

ADR: UN-Number: 3082

Class: 9

Labels: 9

Packaging group: III

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S. (ABAMECTIN)

Environmentally hazardous: Environmentally hazardous

Sea transport

IMDG:

UN-Number: 3082

Class: 9

Labels: 9

Packaging group: III

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S. (ABAMECTIN)

Marine pollutant : Marine pollutant

Air transport

IATA-DGR

UN/ID No.: UN 3082

Class: 9

Labels: 9

Packaging group: III

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S. (ABAMECTIN)

Fire

Suitable extinguishing media:

Extinguishing media - small fires: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Extinguishing media - large fires: Use alcohol-resistant foam or water spray.

Extinguishing media which shall not be used for safety reasons:

Do not use a solid water stream as it may scatter and spread fire.

Specific hazards during fire fighting:

As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion. Exposure to decomposition products may be a hazard to health.

Special protective equipment for firefighters:

Wear full protective clothing and self-contained breathing apparatus.

Further information:

Do not allow run-off from fire fighting to enter drains or water courses. Cool closed containers exposed to fire with water spray.

Nature of protective clothing proposed

Components with workplace control parameters

Components	Exposure limit(s)	Value type	Source
Abamectin	0.02mg/m ³	8h TWA	SYNGENTA

ENGINEERING MEASURES:

Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated.

The extent of these protection measures depends on the actual risks in use.

If airborne mists or vapours are generated, use local exhaust ventilation controls.

Assess exposure and use any additional measures to keep airborne levels below any relevant exposure limit.

Where necessary, seek additional occupational hygiene advice.

PERSONAL PROTECTIVE EQUIPMENT

Protective measures:

The use of technical measures should always have priority over the use of personal protective equipment.

When selecting personal protective equipment, seek appropriate professional advice.

Personal protective equipment should be certified to appropriate standards.

Respiratory protection:

A combination gas, vapour and particulate respirator may be necessary until effective technical measures are installed. Protection provided by air-purifying respirators is limited. Use a self-contained breathing apparatus in cases of emergency spills, when exposure levels are unknown, or under any circumstances where air-purifying respirators may not provide adequate protection.

Hand protection:

Chemical resistant gloves are not usually required.

Select gloves based on the physical job requirements.

Eye protection:

Eye protection is not usually required.

Follow any site specific eye protection policies.

Skin and body protection:

No special protective equipment required.

Select skin and body protection based on the physical job requirements.

Characteristics of protective clothing proposed

See above.

Suitability and effectiveness of protective clothing and equipment

See above.

Procedures to minimise the generation of waste

Product:

Do not contaminate ponds, waterways or ditches with chemical or used container.

Do not dispose of waste into sewer.

Where possible recycling is preferred to disposal or incineration.

If recycling is not practicable, dispose of in compliance with local regulations.

Contaminated packaging:

Empty remaining contents.

Triple rinse containers.

Empty containers should be taken to an approved waste handling site for recycling or disposal.

Do not re-use empty containers.

Combustion products likely to be generated in the event of fire

Hazardous decomposition products:

Combustion or thermal decomposition will evolve toxic and irritant vapours.

Hazardous reactions:

None known.

Hazardous polymerisation does not occur.

Stable under normal conditions.

B.4.5 Emergency measures in the case of an accident

Containment of spillages

Personal precautions:

Refer to protective measures listed in Annex Point IIIA 4.4.5.

Environmental precautions:

Prevent further leakage or spillage if safe to do so.

Do not flush into surface water or sanitary sewer system.

Methods for cleaning up:

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

Additional advice:

If the product contaminates rivers and lakes or drains inform respective authorities.

Decontamination of areas, vehicles and buildings

See above.

Disposal of damaged packaging, adsorbents and other materials

See above

Protection of emergency workers and bystanders

See 4.4

First aid measures

General advice:

Have the product container, label or Material Safety Data Sheet with you when calling the Syngenta emergency number, a poison control centre or physician, or going for treatment.

Inhalation:

Move the victim to fresh air.

If breathing is irregular or stopped, administer artificial respiration.

Keep patient warm and at rest.

Call a physician or poison control centre immediately.

Skin contact:

Take off all contaminated clothing immediately.

Wash off immediately with plenty of water.

If skin irritation persists, call a physician.

Wash contaminated clothing before re-use.

Eye contact:

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Remove contact lenses.

Immediate medical attention is required.

Ingestion:

If swallowed, seek medical advice immediately and show this container or label.

Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed:

Lack of co-ordination.

Tremors.

Dilatation of the pupil.

Medical advice:

This material is believed to enhance GABA activity in animals. It is probably wise to avoid drugs that enhance GABA activity (barbiturates, benzodiazepines, valproic acid) in patients with potentially toxic mectin exposure.

Toxicity can be minimized by early administration of chemical absorbents (e.g. activated charcoal).

If toxicity from exposure has progressed to cause severe vomiting, the extent of resultant fluid and electrolyte imbalance should be gauged.

Appropriate supportive parental fluid replacement therapy should be given, along with other required supportive measures as indicated by clinical signs, symptoms and measurements.

B.4.6 Procedures for destruction or decontamination of the plant protection product and its packaging

Details of proposed procedures for small quantities

In the event of accidental spillage, neutralisation (with acid or base to neutral pH) is not an effective procedure for the destruction or decontamination of the formulation.

Therefore, the spilled liquid formulation should first be adsorbed onto a solid, such as sand, inert clay filler, saw dust or soil, before being swept up into a safe container to await disposal.

Also see 4.5.

Evaluation of products of neutralization (small quantities)

See above.

Procedures for disposal of small quantities of neutralized waste

See above.

Details of proposed procedures for large quantities

See above.

Evaluation of products of neutralization (large quantities)

See above.

Procedures for disposal of large quantities of neutralized waste

See above.

B.4.7 Pyrolytic behaviour of the active substance

The halogen content of abamectin, the active substance in the A12115I formulation, is below the 60% limit, therefore this information is not required. It should be noted that Directive 96/47/EEC defines the controlled conditions for incineration.

B.4.8 Disposal procedures for the plant protection product

Detailed instructions for safe disposal of product and its packaging

As the halogen content of A12115I is below the trigger value (refer to Annex Point IIIA 4.7), high temperature incineration is the preferred means of disposal for the active substances, formulated products, contaminated materials or contaminated packaging. Incineration should be carried out in a licensed incinerator operating at a temperature above 800°C and with a minimum

gas phase residence time of two seconds.

Unused undiluted product and contaminated un-rinsed packaging should be treated as hazardous waste, and should be disposed of by controlled incineration or according to local regulations.

Where large quantities of unused product are concerned, consult the supplier.

Methods other than controlled incineration for disposal

No other methods are proposed to dispose of the formulation.

B.4.9 References relied on

Data point	Author(s)	Year	Title Company Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Owner
IIIA 4.2.2/01	Kalt, R	2009d	A12115I - The effectiveness of the spray tank cleaning procedure Syngenta Syngenta Crop Protection, Münchwilen, Switzerland, 120365 Not GLP, not published Syngenta File No A12115I_10012	N	N	SYN