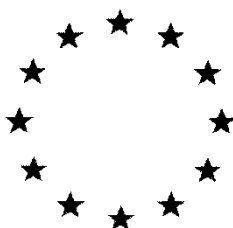


European Commission



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

ETHOFUMESATE

Volume 3 – B.4 (PPP) – Ethofol 500 SC

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Co-Rapporteur Member State: Denmark

Version History

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B.4. FURTHER INFORMATION

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

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

The pre-harvest interval is covered by the vegetation period between application and harvest.

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

A re-entry period is considered not relevant, since the treated crops are not intended for grazing.

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

A re-entry period to crops is considered not relevant, since beets are field crops which are normally cultivated by tractor mounted devices. As a standard rule, treated crops should not be entered before the spray drift has dried.

Withholding period (in days) for animal feeding stuffs:

A withholding period for animal feeding stuffs is considered not relevant since residue levels at harvest were found to be acceptable. For further information on this point please refer to Document M-CA, Section 6.

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

A waiting period between application and handling treated products is not required. Beets are field crops which are normally cultivated by tractor mounted devices. Handling treated products will therefore not occur before harvest. As a standard rule, treated crops should not be entered before the spray drift has dried.

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

A waiting period between application and sowing or planting succeeding crops is not required after harvest of treated beets, since it is not expected that significant residue levels will remain in the soil until sowing or planting succeeding crops. In case the beets are ploughed up prematurely, it is in most cases too late to sow succeeding crops in spring except for beets, which can be re-sown after crop failure of the primary beet crop. The soil should be ploughed before sowing other succeeding crops.

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

No specific agricultural, plant health or environmental conditions have to be observed. As a general rule, the crop should be in good condition, not suffering from stress, etc. when the treatment is applied.

B.4.2. RECOMMENDED METHODS AND PRECAUTIONSWarehouse and user level storage:

Handling requirements: Avoid contact with skin and eyes. Wash hands after handling. Do not eat, drink or smoke when using this product. Ensure adequate ventilation. Ensure that eyewash stations and safety showers are close to the workstation location.

Storage conditions: Store in cool, well-ventilated area. Keep out of the reach of children

Suitable packaging: Must only be kept in original packaging.

Transport:

ADR/RID

UN No: not regulated

Proper Shipping Name: none

Hazard class: none

Packing group: none

IMDG/IMO

UN No: not regulated

Proper Shipping Name: none

Hazard Class: none

Packing group: none

Environmental hazard: none

IATA/ICAO

UN No: not regulated

Proper Shipping Name: none

Hazard Class: none

Packing group: none

Fire:

Extinguishing media: Water spray. Do not use a solid water stream as it may scatter and spread fire.

Exposure hazards: Burning produces obnoxious and toxic fumes.

Protection of fire-fighters: Wear self-contained breathing apparatus and protective suit.

Nature of protective clothing proposed:

Inhalation protection: Adequate respiratory tools.

Hand protection: Protective gloves.

Eye protection: Safety glasses.

Skin protection: Protective clothing.

Characteristics of protective clothing proposed:

Respiratory protection: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection: PVC gloves.

Eye protection: Safety glasses with side-shields.

Skin protection: Long sleeved clothing.

Suitability and effectiveness of protective clothing and equipment:

The protective clothing proposed is based on the results of the risk assessment and experience of the use of similar pesticides under realistic conditions of use.

Procedures to minimise the generation of waste:

Remainder of product shall be given to suitable waste disposals or to combustors. Empty container completely.

Packaging which cannot be cleaned shall be disposed of like the product.

Combustion products likely to be generated in the event of fire:

In combustion Ethofol 500 SC may emit toxic fumes.

B.4.3. EMERGENCY MEASURES IN CASE OF AN ACCIDENT

Containment of spillages, decontamination of areas, vehicles and buildings:

Personal precautions: Evacuate personnel to safe areas. Avoid contact with the skin and the eyes.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Do not flush into surface water or sanitary sewer system.

Clean-up procedures: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

Disposal of damaged packaging, adsorbents and other materials:

Avoid release to the environment. Remainders of the product, contaminated cleaning material and absorbents shall be given to the local waste disposal for controlled incineration.

Protection of emergency workers and bystanders:

Respiratory protection: In event of fire use respiratory protection.

Hand protection: PVC gloves.

Eye protection: Safety glasses.

Skin protection: Protective clothing. Wear face protection.

Hygienic measures: Change clothes when contaminated.

First aid measures:

Symptoms:

First aid measures (symptoms)

Skin contact: No symptoms.

Eye contact: There may be irritation and redness.

First aid measures (action):

Skin contact: Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.

Eye contact: In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist

Ingestion: Do not induce vomiting. Do not induce vomiting unless told to do so by a poison control center or doctor. Call a POISON CENTER or doctor/physician if exposed or you feel unwell

Inhalation: Move to fresh air

B.4.4. PACKAGING, COMPATIBILITY OF THE PLANT PROTECTION PRODUCT WITH PROPOSED PACKAGING MATERIALSDescription and specification of the packaging:

The formulation will be packed in trading containers of PET, closed with screw caps with induction seal, size 1 L PET and 5L HDPE. The technical specifications of the bottles are in compliance with the recommendations for storage and transport. For details, please refer to the document KCP 4.4/01 - 03.

PACKAGING DECLARATION 1 L Packaging (KCP 4.4/01)

Material:	PET bottle
Type of closure:	Screw cap with induction seal
Height:	219.4 mm
Diameter:	94.2 ± 1 mm max.
Size of opening:	45 mm tamper
Weight:	0.046 kg (excluding cap bodyweight)
Capacity:	1 L
Manufacturer of cans:	Chesapeake Plastics Limited

PACKAGING DECLARATION 5 L Packaging (KCP 4.4/02)

Material:	HDPE
Min. wall:	0.54 mm
Height:	305 mm
Width:	193 mm
Depth	142 mm
Weight:	200 g
Container neck:	63 mm T/E
Neck code and finish:	K-N-P
Closure:	63 STD I.H.S.
Closing torque:	4.8 - 5.3 Nm
Capacity:	5 L

Manufacturer of cans: Nexus packaging

Suitability of the packaging and closures:

Strength

The above mentioned packaging and closures are suitable for containing, handling and transport of the formulation Ethofol 500 SC. Please refer to the document KCP 4.4/03 reporting the compliance of the packaging to international standard for the transport of dangerous goods.

Leak proof:

The above mentioned packaging and closures are suitable for containing, handling and transport of the formulation Ethofol 500 SC. Please refer to the document KCP 4.4/03 reporting the compliance of the packaging to international standard for the transport of dangerous goods.

Resistance to normal transport and handling:

The above mentioned packaging and closures are suitable for containing, handling and transport of the formulation Ethofol 500 SC. Please refer to the document KCP 4.4/03 reporting the compliance of the packaging to international standard for the transport of dangerous goods.

Resistance of the packaging material to its contents:

Information presented on storage stability (please refer to White, G.A., 2006; KCP 2.7/01) indicates that no adverse effect on packaging was reported. It was physically and chemically stable when stored at 20°C for 2 years in its original container. Furthermore, the packaging specifications proposed are industry standards for packing plant protection products, including EC formulations which are far more demanding in terms of their corrosive nature than SC formulations. Please refer to the document KCP 4.4/03 reporting the compliance of the packaging to international standard for the transport of dangerous goods.

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

Avoid release to the environment.

Disposal operations: Dispose of in accordance with local regulations.

Disposal of packaging: Dispose of the contaminated packaging in an approved collecting and recycling centre, according to local/national regulations. Do not reuse, burn or litter the empty packaging.

Other Information: According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.

B.4.5.1. Neutralisation procedure

Ethofol 500 SC is neither acidic nor alkaline. Neutralization procedures are therefore not applicable.

B.4.5.2. Controlled incineration

Dispose of the product in an approved collecting and treating centre of chemical waste, according to local/national regulations.

B.4.6. REFERENCES RELIED ON

Data Point	Author(s)	Year	Title Compagny Report No. Source (where different from company) GLP or GEP status Published or not	Vertebrate study Y/N	Data protection claimed Y/N	Justification if data protection is claimed	Owner	Previous evaluation
KCP 4.2/01	Anonymous	2014	SAFETY DATA SHEET: ETHOFOL 500 SC United Phosphorus Ltd., not available United Phosphorus Ltd GLP/GEP: no Published: no	N	N	-	UPL	Submitted for the purpose of renewal (2014)
KCP 4.3/01	Anonymous	2014	SAFETY DATA SHEET: ETHOFOL 500 SC United Phosphorus Ltd., not available United Phosphorus Ltd GLP/GEP: no Published: no Submitted in: KCP 4.2/01	N	N	-	UPL	Submitted for the purpose of renewal (2014)
KCP 4.4/01	Anonymous	2008	1,000 ML_PET_94 United Phosphorus Ltd., MS_21.04.08 United Phosphorus Ltd GLP/GEP: no Published: no	N	N	-	UPL	Submitted for the purpose of renewal (2014)

KCP 4.4/02	Anonymous	1900	5 LITRE AGROCHEM 200G UN* United Phosphorus Ltd., not stated United Phosphorus Ltd GLP/GEP: no Published: no	N	N	-	UPL	Submitted for the purpose of renewal (2014)
KCP 4.4/03	Castle, R.M.	1992	UPL PACKAGING & WASTE DATA FORM United Phosphorus Ltd., 51/TUN/1658 United Phosphorus Ltd GLP/GEP: no Published: no	N	N	-	UPL	Submitted for the purpose of renewal (2014)