

European Commission



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

BAS 750F (Mefentrifluconazole) Volume 3 – B.4 (AS)

Rapporteur Member State: United Kingdom
Co-Rapporteur Member State: France & Austria

Version History

When	What
April 2017	Initial DAR

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B.4. FURTHER INFORMATION

The applicant has provided the following information and a material safety data sheet for the active substance.

B.4.1. METHODS AND PRECAUTIONS CONCERNING HANDLING, STORAGE, TRANSPORT OR FIRE

Handling and Storage

Precautions for safe handling

No special measures necessary if stored and handled correctly. Ensure thorough ventilation of stores and work areas. When using do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift.

Protection against fire and explosion:

Avoid dust formation. Dust can form an explosive mixture with air. Prevent electrostatic charge -sources of ignition should be kept well clear - fire extinguishers should be kept handy.

Conditions for safe storage, including any incompatibilities

Segregate from foods and animal feeds.

Further information on storage conditions: Keep away from heat. Protect against moisture. Protect from direct sunlight.

Protect from temperatures below: 4 °C

Changes in the properties of the product may occur if substance/product is stored below indicated temperature for extended periods of time.

Protect from temperatures above: 25 °C

Changes in the properties of the product may occur if substance/product is stored above indicated temperature for extended periods of time.

Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

Transport

Land transport

ADR

UN number UN3077

UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(contains TRIAZOLE DERIVATIVE)

Transport hazard class(es): 9, EHSM

Packing group: III

Environmental hazards: yes

Special precautions for user: Tunnel code: E

RID

UN number UN3077

UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(contains TRIAZOLE DERIVATIVE)

Transport hazard class(es): 9, EHSM

Packing group: III

Environmental hazards: yes

Special precautions for user: None known

Inland waterway transport

ADN

UN number UN3077

UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(contains TRIAZOLE DERIVATIVE)
Transport hazard class(es): 9, EHSM
Packing group: III
Environmental hazards: yes
Special precautions for user: None known

Transport in inland waterway vessel
Not evaluated

Sea transport**IMDG**

UN number: UN 3077
UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(contains TRIAZOLE DERIVATIVE)
Transport hazard class(es): 9, EHSM
Packing group: III
Environmental hazards: yes
Marine pollutant: YES
Special precautions for user: None known

Air transport**IATA/ICAO**

UN number: UN 3077
UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(contains TRIAZOLE DERIVATIVE)
Transport hazard class(es): 9, EHSM
Packing group: III
Environmental hazards: yes
Special precautions for user: None known

Transport in bulk according to Annex II of MARPOL and the IBC Code

Regulation: Not evaluated
Shipment approved: Not evaluated
Pollution name: Not evaluated
Pollution category: Not evaluated
Ship Type: Not evaluated

Further information

Caution - substance not yet fully tested.

Fire**Extinguishing media**

Suitable extinguishing media: water spray, dry powder, foam
Unsuitable extinguishing media for safety reasons: carbon dioxide

Special hazards arising from the substance or mixture:

carbon monoxide, carbon dioxide, nitrogen oxides
The substances/groups of substances mentioned can be released in case of fire.

Advice for fire-fighters

Special protective equipment:
Wear self-contained breathing apparatus and chemical-protective clothing.

Further information:

Keep containers cool by spraying with water if exposed to fire. In case of fire and/or explosion do not breathe fumes. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

B.4.2. PROCEDURES FOR DESTRUCTION OR DECONTAMINATION**Waste treatment methods**

For purposes of disposal, combustion of BAS 750 F or its pesticide products in a licensed incinerator is recommended. This method of disposal applies also to contaminated packages, which cannot be cleaned or reused.

Although it is possible to incinerate the product at lower temperatures, combustion at approximately 1100°C with a residence time of about 2 seconds is advised.

By doing so, i.e., operating the incinerator according to the conditions laid down in council directive 94/67/EEC resp. directive 2000/76/EC of the European Parliament, one will achieve complete combustion and minimize the formation of undesired by-products in the off-gases.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

Decontamination methods**Principle of method**

Organic substances can be adsorbed onto the surface of activated charcoal. The efficiency of adsorbance can be evaluated by means of the adsorption isotherm according to FREUNDLICH. Experiments have been conducted to demonstrate the feasibility of water decontamination using activated charcoal.

Experimental conditions

- Initial conditions: 20-50 mg/L Dissolved Organic Carbon (DOC; alternatively a suitable peak of the UV-spectrum of the organic compound can be used for the determination of concentration, e.g. at $\text{DOC} \ll 20 \text{ mg/l}$). DOC concentrations $< 5 \text{ mg/l}$ require single substance analysis by means of GC and HPLC or by means of more sensitive summary parameters like SAC (Spectral Adsorption Coefficient) or AOX (Absorbable Organic Halides (X)).
- Filter for DOC evaluation and for the separation of the loaded activated carbon: membrane filter of polycarbonate type with a pore width of $0.45 \mu\text{m}$.
- Weighed amounts of activated carbon (Chemviron F300, $40 - 100 \mu\text{m}$): 2.5, 5, 12.5, 25, 50, 100, 150, 250, 500, 1000, 2000, 4000, 8000 and 16000 mg/l. According to the initial concentration resp. water solubility of the organic species 10 different amounts of the activated carbon in the lower, middle or upper range should be chosen. Alternations of these amounts are possible.
- Highly purified water for HPLC etc.: fully deionized and final passage through activated carbon column.
- Double measurement of 100 ml solution volume each.
- Shaking flask: 100 ml shaking glass bottles.
- Shaking device: IKA Labortechnik Type KS 250 basic (180 min⁻¹ frequency)
- Perkin Elmer 550 UV/VIS Spectrophotometer
- Standard adsorption time: $\geq 24 \text{ hrs}$

Evaluation of the adsorption experiment

Because the solubility of BAS 750 F proved to be very poor (3.7 mg/l, pH = 7) after 14 days of stirring in high purified water, evaluation of the adsorption isotherm by means of the DOC or single substance determination by HPLC was not feasible. Analysis of these parameters is not possible regarding the detection limit of 0.1 mg/l DOC and the uncertainty of the HPLC-Determination at the given concentration range.

However looking at the low solubility of BAS 750 F and the hydrophobic structure of the molecule, a good absorbability of the soluble part of the compound onto activated carbon can be foreseen based on experiences with other molecules of comparable polarity.

Conclusion

BAS 750 F, dissolved in neutral water, is to be classified as efficiently absorbable onto activated charcoal.

B.4.3. EMERGENCY MEASURES IN CASE OF AN ACCIDENT**Personal precautions, protective equipment and emergency procedures**

Avoid dust formation. Use personal protective clothing. Avoid contact with the skin, eyes and clothing.

Environmental precautions

Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

For small amounts: Contain with dust binding material and dispose of.

For large amounts: Sweep/shovel up.

Avoid raising dust. Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

Description of first aid measures

Remove contaminated clothing.

If inhaled: Keep patient calm, remove to fresh air, and seek medical attention.

On skin contact: Wash thoroughly with soap and water.

On contact with eyes: Wash affected eyes for at least 15 minutes under running water with eyelids held open.

On ingestion: Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in the labelling section

Further important symptoms and effects are so far not known.

Indication of any immediate medical attention and special treatment needed

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

B.4.4. 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	Justification if data protection is claimed	Owner	Previous evaluation
KCA 3.8/1	Anonymous	2016 b	Safety data sheet - BAS 750 F 2016/1052696 BASF SE, Ludwigshafen/ Rhein, Germany Fed.Rep. no Unpublished	No	No	Not applicable	BASF	