

FARMORT BLOC

1. IDENTIFICATION OF THE PRODUCT AND COMPANY

Company: CHEMICAL TREATMENT COMPANY - COTCHIM -

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2. HAZARD IDENTIFICATION

| | |
|-------------------|--|
| Hazard statements | : Harmful by inhalation and by ingestion |
| Inhalation | :Not considered hazardous by inhalation under normal conditions of use |
| Skin contact | : Not considered particularly dangerous at contact of the skin. |
| Eye contact | : Not considered particularly dangerous for the eyes Under normal conditions of use. |
| Ingestion | : Must not come in contact with food or be ingested. Risk of: Haemorrhage. Gastrointestinal (e). Urinary tract. |

3. COMPOSITION / INFORMATION ON COMPONENTS

Trade Name:

FARMORT BLOC

Nature of the product:

Solid: BLOC

Bromadiolone 0.005%

Composition :

| Chemical name | CASE No. | EC No. | Classification | Concentration[g/l] |
|---------------|------------|-----------|---|--------------------|
| Bromadiolone | 28772-56-7 | 249-205-9 | T+: R26/27/28 T; R48/23/24/25 N, R50/53 1; R61 | 0.005 |

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4. FIRST AID

| | |
|-----------------------------|--|
| Inhalation | :No |
| Skin contact | : Wash skin with soap and water. |
| Eye contact | : In case of contact with eyes, rinse immediately with clear water for 10-15 minutes |
| Ingestion | : Induce vomiting if it is perfectly conscious / alert. |
| Emergency medical treatment | : Gastric lavage is recommended to ensure complete emptying. This product is an Anti-coagulant |

5. FIRE FIGHTING MEASURES

- Extinguishing media : All extinguishing agents are usable.
- Nearby fires : Cool exposed containers by spraying or water fog.
- Fire protection : Do not enter fire area without protective equipment, including respiratory protection
- Special procedures : Be careful when fighting any chemical fire.

6. MEASURES TO BE TAKEN IN CASE OF ACCIDENTAL DISPERSION

- Individual precautions : Provide adequate protection to cleaning crews.
- Environmental precautions : Notify authorities if product enters drains or public waters.
- Cleaning methods : Sweep or collect spilled material and place in a suitable container for disposal.

7. HANDLING AND STORAGE

- General : Avoid unnecessary exposure.
- Precautions when handling and storing : Product to be handled following a good hygiene industrial and safety procedures.
- Storage : Store in a cool, dry place. Store in tightly closed containers.
- Handling : Keep away from food and drinks including those for animals. Wash hands and other exposed areas with mild soap and water before eating, drinking, smoking, and before leaving work.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| | |
|------------------------|---|
| Respiratory protection | : In case of risk of excessive production of dust, wear an appropriate mask. |
| Hand protection | : In case of repeated or prolonged contact, wear gloves. |
| Skin protection | : No special clothing or skin protection is recommended under normal conditions of use. |
| Eye protection | : Not required. |
| Ingestion | : Do not eat, drink or smoke while using. |

9. PHYSICAL AND CHEMICAL PROPERTIES

Aspect

| | |
|-------|--------------------|
| Shape | : BLOC |
| color | :Green |
| Odor | : Weak odor of wax |

Security data

| | |
|--------------------------------|----------------------------|
| Molar mass | : 527.41 g / mol |
| Solubility in water | : immiscible |
| Solubility in organic solvents | : No Soluble |
| pH | : Not concerned |
| Relative vapor density | : Not relevant |
| Density | : 1.210 g / ml |
| Flash point | : Not applicable |
| Melting point | : 138 ° C |
| Flammability | : Not relevant |
| Danger of explosion | : Product is not explosive |
| Upper explosion limit | : Not determined |
| Lower explosion limit | : Not determined |

10. STABILITY AND REACTIVITY

Stability and Reactivity

| | |
|------------|--|
| Reactivity | : The product has no known violent reactions under normal handling conditions. |
|------------|--|

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| | |
|------------------------------------|---|
| Chemical stability | : The product is stable under the recommended handling and storage conditions. |
| Possibility of hazardous reactions | : None under normal conditions. |
| Conditions to avoid | : humidity, temperature above 50 ° C, sunlight |
| Incompatible materials | : The mixture has no known violent reactions in contact with other substances. |
| Hazardous decomposition products | : The mixture does not cause the known formation of hazardous decomposition material under normal storage conditions. Normal releases of normal organic combustion will be produced in case of pyrolysis or combustion: (bromine, carbon monoxide, ...) |

11. TOXICOLOGICAL INFORMATION

| | |
|---------------------------|--|
| Acute Oral Toxicity | : LD50 0.56 mg / kg bw (rat) |
| Acute inhalation toxicity | : Not applicable |
| Acute dermal toxicity | : LD50 (rat) > 2000 mg / kg |
| Skin irritation | : No Irritant |
| Eye irritation | : No Irritant |
| Skin sensitization | : Non-sensitizing |
| Carcinogenicity | : No carcinogenic effect highlighted |
| Mutagenicity. | : No mutagenic effect demonstrated in vivo or in vitro |
| Reproductive toxicity | : No toxic effect on reproduction. |

12. ECOLOGICAL INFORMATION

TOXICITY:

Studies on the active substance Bromadiolone.

ACUTE AQUATIC TOXICITY

LC50 - Fish (96 hrs): 0.45 mg / l (Oncorhynchus Mykiss) and 0.71 mg / l (Leponis Macrochirus)

CbE50 - Algae (72 hrs): 1.7 mg / l (Scenedesmus subspicatus)

EC50 - Daphnia (48 h): 0.64 mg / L (Daphnia magna)

The substance is very toxic to aquatic organisms.

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TOXICITY ON TERRESTRIAL SPECIES

Worm (*Eisenia foetida*) Acute NOEC:> 309 mg / kg of soil

LOEC Acute:> 556 mg / kg of soil

Acute LC50: 1000 mg / kg of soil

TOXICITY ON THE BIRD

LD50 = 134 mg / kg bw (Japanese quail).

Acute oral LD50: NOEL - 159 mg / kg body weight (*Colinus virginianus*)

LD50 - 495 mg / kg (*Colinus virginianus*)

Short-term diet NOEC - 10 mg / kg of food (*Colinus virginianus*)

NOEC - <10 mg / kg body weight (*Anas platyrhynchos*)

LD50 - 95 mg / kg body weight (*Colinus virginianus*)

LD50 - 204 mg / kg of weight (*Anas platyrhynchos*)

Persistence and degradability

The substance is not considered to be biodegradable under environmental conditions or in sewage treatment processes. The substance is slowly degraded in the soil with a DT50> 1 year under aerobic conditions and is not expected to volatilize or persist in the air in significant amounts. In an aqueous solution, it photolyzes quickly and widely and its main value of DT50 is 0.62 days. Photolysis tends to a large mineralization until degradation that declines at the end of the study (13 days). Surface photolysis of Bromadiolone acts rapidly with an 11 day DT50 at 12 ° C. The substance is slowly degraded in the soil with an estimated DT50 of 128 days.

Potential for bioaccumulation

Log Kow is below 3 indicating that there should be no bioaccumulation in the food chain.

Mobility in the soil

The substance is strongly and rapidly absorbed by the earth. The amount of substance absorbed by the soil is 36.6 to > 85.2% during the absorption phase. Bromadiolone is unlikely to penetrate the surface of the earth and unlikely to reach the water table in significant quantities.

Results of PBT and vPvB assessment

Active substance Bromadiolone: Not classified.

Other adverse effects

No other adverse effects known at the time of writing.

13. CONSIDERATION RELATED TO ELIMINATION

Waste treatment methods

Empty packages:

Dispose of empty packaging and rinsing in accordance with the requirements of the municipal waste disposal by-law, for example by the selective collection of household packaging waste if the packaging complies with the sorting instructions.

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Packaging still containing product:

Dispose of unused products in accordance with the requirements of the municipal waste disposal by-waste regulations, for example recycling of the packaging will be prohibited.

Do not dispose of residues in sewers and waterways.

Prohibition to reuse the packaging.

14. TRANSPORT INFORMATION

UN number

This product is not subject to the legislation on the transport of dangerous goods.

UN shipping name

This product is not subject to the legislation on the transport of dangerous goods.

Class (es) of danger for transport

This product is not subject to the legislation on the transport of dangerous goods.

Packing group

This product is not subject to the legislation on the transport of dangerous goods.

Environmental hazards

This product is not subject to the legislation on the transport of dangerous goods.

The active substance contained in this mixture is toxic to the aquatic environment.

Special precautions for the user

This product is not subject to the legislation on the transport of dangerous goods.

See also sections 7 and 8.

Transport in bulk in accordance with Annex II of the MARPOL 73/78 Convention and the IBC

Not concerned.

15. REGULATORY INFORMATION

- Symbol (s):

Xn: Harmful

- R-phrase (s):

R22: Harmful if swallowed.

- S Phrase (s):

S56: Dispose of this material and its container at hazardous or special waste collection point.

S1 / 2: Keep locked up and out of reach of children.

S13: Keep away from food and drink, including those for animals.

S35: Only dispose of this material and its container with extreme caution.

S46: If swallowed, seek medical advice immediately and show this container or label.

Composition: Dangerous substance: Bromadiolone (ISO)

16. OTHER INFORMATION

Wording of the R phrases mentioned in Section 3:

R 27/28: Very toxic in contact with skin and if swallowed.

R23: Toxic by inhalation.

R 48/23/24/25: Toxic, danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.

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R 50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Wording of the H phrases mentioned in Section 3:

H300: Fatal if swallowed

H310: Fatal in contact with skin

H331: Toxic by inhalation

H372: Causes damage to organs through prolonged or repeated exposure.

H410: Very toxic to aquatic life with long lasting effects.

Abbreviations:

CLP: Classification, Labeling and Packaging - Classification, Labeling and Packaging

LD50: Lethal dose 50%

LC50: Lethal concentration 50%

LLNA: Local Lymph Node Assay

NOEL: No observable level effect

NOEC: No observed effect concentration

EC50: Effective concentration 50%

PBT: Persistent, bioaccumulative, toxic

VPvB: Very Persistent, very Bioaccumulative (very persistent, very bioaccumulative)