MONIL® SC

Technical Data Sheet | Crop Protection Business



Synonyms Fipronil 5% SC;

 $5-Amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(trifluoromethyl)sulfinyl]-1 \\ H-pyrazole-pyra$

3-carbonitrile;

5-Amino-3-cyano-1-(2,6-dichloro-4-trifluoromethylphenyl)-4-trifluoromethylsulfinylpyrazole;

(±)-5-Amino-1-(2,6-dichloro-α,α,α-trifluoro-p-tolyl)-4-trifluoromethylsulfinylpyrazole-3-

carbonitrile

Chemical structure and identity

$$F_3C$$
 H_2N
 CI
 CF_3

 $\begin{array}{lll} \text{Molecular formula} & & C_{12}H_4CI_2F_6N_4OS \\ \text{Molecular weight} & & 437.20 \\ \text{CAS number} & & 120068-37-3 \end{array}$

PRD number 120068-37-PRD number FIPR1002

Specifications Appearance White to off-white coloured suspension

Fipronil content 5% minimum Suspensibility 90% minimum

Cold test at 0°C No solidification and separation

pH (1% solution) 5 to 7

Persistent foam 50 ml maximum after 1 minute

Physical properties Water solubility Forms suspension

Density 1.02 to 1.05 g/ml at 27°C

Description MONIL SC is a white to off-white coloured suspension free from extraneous matter.

ApplicationsMONIL SC is a broad spectrum systemic insecticide of the phenylpyrazole group which

acts by contact and ingestion. The product controls lepidopteron and sucking pests in

various crops. It is used for foliar application.

Packaging MONIL SC is available in 100 ml to 5 L triangular HDPE bottles. It is also available in 200 L

HDPE drums. Other packaging may be considered on request.

Storage and handling Keep containers tightly closed and store in a cool, dry and well-ventilated area. Do not

store along with oxidising and acidic materials. Control vapour or mist formation. Avoid exposure to eyes, skin or clothing. Keep out of reach of children. Always refer to the Safety

Data Sheet (SDS) for detailed information on storage and handling.

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Safety

Wear a self-contained breathing apparatus, if necessary. Wear protective gloves, a dust mask and safety goggles. Keep material away from foodstuffs, beverages and feed. Wash hands thoroughly after handling this product. Always refer to the SDS for detailed information on safety.

First aid

Eye contact: Rinse eyes in open position for several minutes with plenty of water. Consult a physician immediately.

Skin contact: Wash the affected area thoroughly with soap and water. Remove clothing contaminated by the product. Consult a physician immediately.

Ingestion: Avoid ingestion as the product is harmful. Induce vomiting by tickling back of the throat. Repeat it until the vomitus is clear. Do not induce vomiting if the patient is unconscious. Consult a physician immediately.

Inhalation: Avoid inhalation as the product is harmful. Shift the affected person to fresh air. In case of irregular breathing or respiratory arrest, provide artificial respiration. Consult a physician immediately on suspicion of intoxication.

Spills and disposal

In case of spillage and | or leakage, absorb the spilled material carefully with suitable liquid-binding material (such as sand, diatomite, acid binders, universal binders or sawdust). Prevent generation of vapour or mist. Do not allow the spilled material to enter sewers, surface or groundwater. Dispose of the contents | container(s) in accordance with local, regional, national or international regulations | guidelines as applicable.

Contact

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Note

MONIL® SC is a registered trade mark for Fipronil 5% SC which belongs to Atul Ltd.

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