### Synonyms
Lambda-cyhalothrin 5% EC; 
(1S,3S)-3-[(1Z)-2-Chloro-3,3,3-trifluoro-1-propenyl]-2,2-dimethyl-cyclopropane carboxylic acid (1R)-cyano(3-phenoxyphenyl)methyl ester; 
(1R)-Cyano(3-phenoxyphenyl)methyl (1S,3S)-rel-3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propen-1-yl]-2,2-dimethyl-cyclopropanecarboxylate

### Chemical structure and identity
![Chemical structure of XYLO 5% EC](image)

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Molecular formula</td>
<td>C_{23}H_{19}ClF_{3}NO_{3}</td>
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<tr>
<td>Molecular weight</td>
<td>449.90</td>
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<tr>
<td>CAS number</td>
<td>91465-08-6</td>
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<tr>
<td>PRD number</td>
<td>AG451400</td>
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<tr>
<td>EINECS number</td>
<td>415-130-7</td>
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</tbody>
</table>

### Specifications
- **Appearance**: Pale-yellow coloured clear liquid
- **Lambda-cyhalothrin content**: 5% minimum
- **Acidity as H_{2}SO_{4}**: 0.5% maximum
- **Alkalinity as NaOH**: 0.5% maximum
- **Emulsion test**: Comply
- **Cold test**: Comply

### Physical properties
- **Solubility in water**: Forms emulsion
- **Density**: 0.89 to 0.90 g/ml
- **pH (10 g/L solution)**: 6 to 7
- **Flash point**: More than 24.5°C

### Description
XYLO 5% EC is a pale-yellow coloured clear liquid free from extraneous matter.

### Applications
XYLO 5% EC is a pyrethroid insecticide that acts by contact and stomach action. The product controls sucking and lepidopteron pests in various crops.

### Packaging
XYLO 5% EC is available in 100 ml to 5 L pet bottles. Other packaging may be considered on request.

### Storage and handling
Keep containers tightly closed and store in a cool, dry and well-ventilated area. Protect the containers against physical damage. Avoid contact with 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.
Safety

Wear protective gloves, a dust mask and goggles. Keep material away from foodstuffs, beverages and feed. Wash hands thoroughly after handling this product. Do not inhale its vapour or mist. 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. Immediately remove clothing contaminated by the product. Consult a physician.

**Ingestion:** Avoid ingestion. Never give anything by mouth to an unconscious person. Rinse mouth with water and consult a physician immediately.

**Inhalation:** Avoid inhalation. 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

XYLO® 5% EC is a registered trade mark for Lambda-cyhalothrin 5% EC which belongs to Atul Ltd.