



MATERIAL SAFETY DATA SHEET

Manufacturer/information service:

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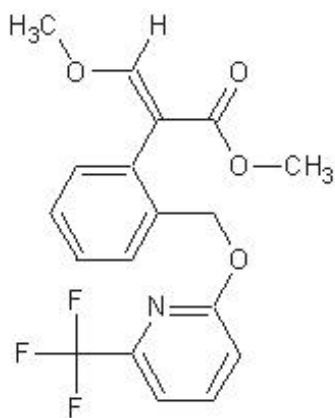
1. Chemical Product Identification

Product Name: Picoxystrobin 95% TC

Molecular Formula: $C_{18}H_{16}F_3NO_4$

Molecular Weight: 367.3

Structural Formula:



Chemical Name:

methyl (E)-3-methoxy-2-{2-[6-(trifluoromethyl)-2-pyridyloxymethyl]phenyl} acrylate

Form: solid

Colour: Off-white

CAS No.: 117428-22-5

2. Composition / Information On Ingredients

Composition	Chemical name	Content (% w/w)
Active ingredient	Picoxystrobin	95%



Other ingredient	-----	5%
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3. Hazards Identification

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Acute toxicity, Inhalation (Category 4)

Eye irritation (Category 2)

Acute aquatic toxicity (Category 1)

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. First Aid Measures

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled: If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.

In case of skin contact: Wash off with soap and plenty of water. Consult a physician.

In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. Fire-Fighting Measures

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture: Carbon oxides, nitrogen oxides(NO X), Hydrogen fluoride.

Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental Release Measures

Personal precautions: Use personal protective equipment. Avoid dust formation vapors, mist or gas. Ensure adequate ventilation. Evacuate personal to safe areas. Avoid breathing dust.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let



product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up:

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. Handling And Storage

Precautions for safe handling:

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for prevention fire protection.

Conditions for safe storage, including any incompatibilities:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

8. Exposure Controls/personal protection

Exposure controls

Appropriate engineering controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection:

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH(US) or EN 166(EU).

Skin protection:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique(without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications.

Body protection

Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

9. Physical And Chemical Properties

Appearance: Off-white powder



Density: 1.40g/cm³ (20°C)

pH: 6-9

Melting Point: 73.4 °C

Boiling point: 453.15°C

Partition coefficient: logPow :3.6 at 20°C

Loss on drying: ≤0.5%

10. Stability And Reactivity

Reactivity : Stable under normal conditions

Chemical stability: stable under normal conditions

Thermal decomposition/conditions to be avoided:

Formation of toxic gases is possible during heating or in case in fire.

Possibility of hazardous reactions: No dangerous reactions known.

Conditions to avoid: Heat

Incompatible materials: strong oxidizing agents

Hazardous decomposition products: formation of toxic gases is possible during heating or in case in fire.

11. Toxicological Information

Acute oral LD50 (rat): >5000 mg/kg

Acute dermal LD50 for rats: >2000 mg/kg

Acute inhalation toxicity: LC50 (4h) for rat: 3.19 mg/l.

Skin irritation: No irritation for rabbits.

Eye irritation: No irritation for rabbits.

Skin Sensitization: Non-sensitive (Guinea Pig)

12. Ecological And Ecotoxicological Information

Effect on birds: low toxicity to birds, Acute LD50 for Japanese quail is >2250 a.i. mg/kg.

Effects on Fish: moderate to high toxicity to fish, Acute LC50 (96h) for rainbow trout is 0.075 a.i.mg/L.

Effects on Aquatic invertebrates: high toxicity to Aquatic invertebrates, Acute LC50 (48h) for daphnia magna is 0.024 a.i.mg/L.

Effects on Algae: moderate toxicity to algae, Acute hour EC50 (72h), growth for



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Raphidocelis subcapitata is 0.056 a.i. mg/L.

Effects on Bees: low to honeybee. Contact acute LD50 (48h) is >200 a.i.µg/bee, Oral acute LD50 (48h) is 0.09 a.i.µg/bee.

Effects on earthworms: high toxic to earthworms, Acute 14 day LC50 3.4 a.i. mg/kg.

13. Disposal Considerations

Must be dumped or incinerated in accordance with local regulations.

Contaminated packaging:

Packs that cannot be cleaned should be disposed of in the same manner as the contents.

Contaminated packaging should be emptied as far as possible and disposed of in accordance with official regulations after being thoroughly cleaned.

Uncontaminated packaging may be treated as household waste.

14. Transport Information

Not applicable

15. Regulatory Information

Not applicable

16. Other Information

All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS and are presented in good faith and believed to be correct. This information applies to the product as such. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear. It is the responsibility of persons on receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produce formulations containing this product, it is the recipients sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.