

Pyraclostrobin -MATERIAL SAFETY DATA SHEET

Manufacturer/information service:

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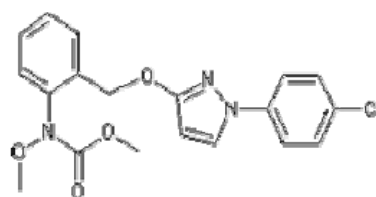
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1. Chemical Product Identification

Product Name: Pyraclostrobin 25%EC

Molecular Formula: C₁₉H₁₈ClN₃O₄

Structural Formula:



Molecular Weight: 387.82

Chemical Name: methyl N-{2-[1-(4-chlorophenyl)pyrazol-3-yloxy]methyl} phenyl}(N-methoxy)carbamate

CAS No.: 175013-18-0

2. Composition / Information On Ingredients

Composition	CAS No.	Content %
Pyraclostrobin	175013-18-0	25
Other ingredients		75

3. Hazards Identification

Emergency Overview:

Warning: May be fatal if swallowed.

Causes substantial but temporary eye injury.

Causes skin irritation.

Harmful if absorbed through skin.

Keep out of reach of children.

Keep out of reach of domestic animals.

Avoid contact with skin, eyes and clothing.

4. First Aid Measures

If swallowed: Call a physician or Poison Control Center immediately. Contains petroleum distillates. Do not induce vomiting. Get medical attention immediately.

If inhaled: Remove person to fresh air. Apply artificial respiration if symptoms indicate.

If on skin: Wash affected areas with soap and water.

If in eyes: Flush eyes with plenty of water. Get prompt medical attention.

5. Fire-Fighting Measures

Extinguishing media

To be used: dry chemical, foam, carbon dioxide.

Don't use: not applicable

Particular risk: not applicable

Measures of personal protection: safety glasses or goggles, rubber gloves, shoes plus socks, long-sleeved shirt, and long pants.

6. Accidental Release Measures

Personal cautions: safety glasses or goggles, rubber gloves, shoes plus socks, long-sleeved shirt, and long pants.

Cleaning methods

EX: clear the material in time. Transfer to a properly labeled deposit that will be closed and sealed until the recovery of elimination of the product.

Environmental cautions

EX: prevent the contamination of the floor and of beds of water.

7. Handling And Storage

Handling: The relevant fire protection measures should be noted. Fire extinguishers should be kept handy. Avoid all sources of ignition: heat, sparks, open flame. Sources of ignition should be kept well clear. Avoid extreme heat. Keep away from oxidizable substances. Electrical equipment should conform to national electric code. Ground a transfer equipment properly to prevent electrostatic discharge. Electrostatic discharge may cause ignition.

Storage:

General advice: Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Protect containers from physical damage. Protect against contamination. The authority permits and storage regulations must be observed.

Storage incompatibility: Segregate from incompatible substance. Segregate from foods and animal feeds. Segregate from textiles and similar materials.

8. Exposure Controls / Personal Protection

Personal protective equipment

Respiratory protection: approved respirator

Protective gloves: rubber gloves

Eye protection: goggles

Industrial hygiene: use good industrial hygiene. Wear face shield or goggles, elbow length PVC gloves, cotton overalls buttoned to the neck and wrist, washable hat and half face respirator with dust and vapor cartridge. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

9. Physical And Chemical Properties

Appearance:	Dark yellow liquid
Odour:	Faint odour
pH value:	6.4
Vapour pressure:	0.053 hPa
Density:	1.06g/cm ³ at 20°C

10. Stability And Reactivity

Conditions to avoid: Avoid all sources of ignition: heat, sparks, open flame. Avoid extreme temperatures. Avoid prolonged exposure to extreme heat. Avoid contaminated. Avoid electro-static discharge. Avoid prolonged storage.

Substances to avoid: Strong oxidizing agents.

Hazardous reaction: The product is chemically stable. Hazardous polymerization will not occur. No hazardous reactions if stored and handled as prescribed/indicated.

Decomposition products: Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated. Prolonged thermal loading can result in products of degradation being given off.

Thermal decomposition: Possible thermal decomposition products: carbon monoxide, carbon dioxide, nitrogen oxide, nitrogen dioxide, Hydrogen chloride, halogenated hydrocarbons, Hydrocarbons.

Stable at ambient temperature. If product is heated above decomposition temperature toxic vapours may be released.

Corrosion to metals: Corrosive effects to metal are not anticipated.

11. Toxicological Information

Acute oral LD₅₀ for rat: 5000 a.i. mg/kg

Acute dermal LD₅₀ for rat: 2000 a.i. mg/kg

Inhalation LD₅₀ (4h) for rat: 0.31 a.i. mg/l

Acute eye irritation: Non-irritating to rabbits eyes

Acute skin irritation: Non-irritating to rabbits skin

Sensitisation: Non

12. Ecological And Ecotoxicological Information

Acute oral toxicity for daphnia magna: LC₅₀ is 15.71 a.i. µg/l.

Acute oral toxicity for japanese quail: LC₅₀ is 2000 a.i. mg/kg

Acute oral toxicity for honeybees: LD₅₀ is 100 a.i. µg/bee

Acute oral toxicity for rainbow trout (96h) : LC₅₀ is 0.0062 a.i. mg/l

Acute oral toxicity for sunfish, bluegill: LC₅₀ is 0.0114 a.i. mg/l

Acute oral toxicity for mallard duck: LC₅₀ is 5000 a.i. mg/kg

13. Disposal Considerations

Product: dispose of in compliance with all state and local laws and regulations.

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.