



MATERIAL SAFETY DATA SHEET

Manufacturer/information service:

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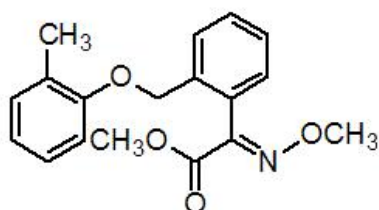
1. Chemical Product Identification

Product Name: Kresoxim-methyl TC

Molecular Formula: C₁₈H₁₉NO₄

Molecular Weight: 313.35 g/mol

Structural Formula:



Chemical Name: methyl (E)-methoxyimino[α -(o-tolyloxy)-o-tolyl]acetate

Form: Powder

Colour: Off-white

CAS No.: 143390-89-0

2. Composition / Information On Ingredients

Composition	Chemical name	Content (% w/w)
Active ingredient	Kresoxim-methyl	95%
Other ingredient	-----	5%

3. Hazards Identification

2.1 Classification of the substance or mixture



Classification according to Regulation (EC) No 1272/2008

For the full text of the H-Statements mentioned in this Section, see Section 16.

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

R40;R50/53

For the full text of the R-phrases mentioned in this Section, see Section 16.

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008

Pictogram



GHS08,GHS09

Signal word

Warning

Hazard statement(s)

Precautionary statement(s)

Supplemental Hazard Statements None

4. First Aid Measures

Eyes: if in eyes ,hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present , after the first 5 minutes, then continue rinsing. Call a poision control centre or doctor for treatment advice.

Skin: If on skin or clothing take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poision control centre or doctor for treatment advice.

Ingestion: If swallowed , call a poision control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by the poision control center or doctor. Do not give anything by mouth to an unconscious person.

Inhalation: Move person to fresh air. If person is not breathing, call an ambulance, then give artificial respiration, preferably mouth-to –mouth, if possible, Call a poision control centre or doctor for treatment advice.

5. Fire-Fighting Measures

5.1 Extinguishing media



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

5.2 Special hazards arising from the substance or mixture

carbon dioxide,nitrogen oxides (NO_x),Hydrogen chloride gas

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further information

no data available

6. Accidental Release Measures

Personal precautions: Use personal protective clothing.

Environmental precautions: Do not allow material to enter sewers, surface, ground, water and soil. If contamination occurs inform Authorities.

Methods for cleaning up or taking up:

For large amounts: Pump off product.

For residues: Contain spill. Absorb spilled product with inert materials. Wash contaminated areas with soda solution, absorb with inert material and send to disposal.

7. Handling And Storage

7.1 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. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Store under inert gas. Hygroscopic.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. Exposure Controls/personal protection

Personal protective equipment

Hand protection: Chemical-resistant gloves

Eye protection: Chemical tight goggles, full faceshield in addition if splashing is possible.

Body protection: Protective suit



General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. No eating, drinking, smoking or snuff taking at the place of work. Keep away from food, drink and animal feeding stuffs.

9. Physical And Chemical Properties

Appearance: Off-white powder

pH: 5.0-8.0

Melting point : 101.6-102.5°C

Density : 1.258

Vapor pressure : 0.0023mPa at 25°C

Partition coefficient : KowlogP=3.4 at 25°C

Water solubility : 2mg/l at 20°C

10. Stability And Reactivity

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid: Avoid contact with strong oxidizing agents and Avoid moisture.

Incompatibility with other materials: acids, Acid chlorides, Acid anhydrides, Oxidizing agents

Hazardous decomposition products: Can decompose at high temperatures forming toxic gases.

Hazardous polymerization: Will not occur.

Chemical stability: Stable under recommended storage conditions.

11. Toxicological Information

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

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

Acute inhalation toxicity LC50 (4h) for rats:>5.6 a.i. 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



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Effect on birds: low toxicity to birds, acute oral LD50 for Mallard ducks is >2150 a.i. mg/kg.

Effect on fish: moderate toxicity to fish, acute 96 hour LC50 for Rainbow trout is 0.19 a.i.mg/L.

Effect on aquatic invertebrates: moderate toxicity to aquatic invertebrates, acute 48 hour EC50 for Daphnia magna is 0.186 a.i.mg/L.

Effect on honeybees: low toxicity to honeybees, contact acute 48 hour LD50 is >100 a.i.µg/bee, oral acute 48 hour LD50 is >100 a.i.µg/bee.

Effect on earthworms: moderate toxicity to earthworms, acute 14 day LC50 for corr is >469 a.i.mg/kg.

13. Disposal Considerations

Disposal Method: Disposal must be in accordance with federal, state, and local regulations. Dispose of container in approved waste facility. Empty Container: Plastic container: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose in a sanitary landfill, or by incineration, if allow by state and local authorities. If disposal is by burning, stay out of smoke.

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



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sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.