

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

Product Name: PoaCure (Methiozolin 25% SC)
MSDS No.: v14
Company Name: Moghu Research Center Ltd.
Address: B-228, Gajeong-ro 99, Yuseong, Daejeon, 34115, KOREA
Phone: +82-42-862-4952
Fax: +82-42-862-4950
Emergency Phone Number: +82-42-862-4951

2. HAZARD IDENTIFICATION

GHS Classification

(Physical Hazards)

Explosives	Not applicable
Flammable Gases	Not applicable
Flammable Aerosols	Not applicable
Oxidizing Gases	Not applicable
Gases under Pressure	Not applicable
Flammable Liquids	Not applicable
Flammable Solids	Not applicable
Self-reactive Substances and Mixtures	Not applicable
Pyrophoric Liquids	Not applicable
Pyrophoric Solids	Not classified
Self-heating Substances and Mixtures	Not classified
Substances and Mixtures which, in Contact with Water, Emit Flammable Gases	Not applicable
Oxidizing Liquids	Not applicable
Oxidizing Solids	Not applicable
Organic Peroxides	Not applicable
Corrosive to Metals	Not applicable

(Health Hazards)

Acute Toxicity: Oral	Not classified
Acute Toxicity: Dermal	Not classified
Acute Toxicity: Inhalation (Gas)	Not applicable
Acute Toxicity: Inhalation (Vapour)	Classification not possible
Acute Toxicity: Inhalation (Dust)	Classification not possible
Acute Toxicity: Inhalation (Mist)	Not applicable
Skin Corrosion / Irritation	Not classified
Serious Eye Damage / Eye Irritation	Not classified
Respiratory Sensitization	Classification not possible
Skin Sensitization	Not classified
Germ Cell Mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive Toxicity	Not classified
Specific Target Organ Toxicity (Single Exposure)	Not classified
Specific Target Organ Toxicity (Repeated Exposure)	Not classified

Aspiration Hazard

Classification not possible

(Environmental Hazards)

Hazardous to The Aquatic Environment (Acute)

Category 2

Hazardous to The Aquatic Environment (Chronic)

Category 2

Other hazards

None identified

GHS Label Elements

Assigned Pictogram



Signal Word

Warning

Hazard Statement

Toxic to aquatic life

Toxic to aquatic life with long lasting effects

Prevention Precautionary Statement

Avoid release to the environment if this is not the intended use.

Response Precautionary Statement

Collect spillage.

Disposal Precautionary Statement

Dispose of contents/container in accordance with local/regional/national/international regulations.

Other Hazards Out of GHS Classification None identified

3. COMPOSITION / INFORMATION ON INGREDIENTS

Active ingredient: Methiozolin (CAS No.: 403640-27-7) 25% (w/w)

Inert ingredients (CAS No. 70559-25-0 etc) 20.8% (w/w)

Water (CAS No. 7732-18-5) Rest (w/w)

4. FIRST-AID MEASURES

If Inhaled: Remove person to fresh air and keep at rest in a position comfortable for breathing. Call a doctor/physician.

If on Skin: Wash with plenty of water. If skin irritation or rash occurs, get medical attention. Wash contaminated clothing before reuse.

If in Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.

If Swallowed: Rinse mouth. Do not induce vomiting. Call a doctor/physician.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Water, dry chemical, carbon dioxide and foam

Specific hazards arising from the chemical: Combustion may produce toxic fumes of carbon monoxide, sulfur dioxide and hydrogen chloride.

Special protective actions for fire-fighters: Self-contained breathing apparatus should be provided. Work on the windward.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear adequate personal protective equipment and clothing.

Environmental precautions: Keep contaminated water out of lakes, streams or ponds.

Removal work precautions: Spillage contaminant should be swept up into a secure container.

7. HANDLING AND STORAGE

Protective measures: Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing/PPE and wash contaminated clothing before reuse. Remove PPE immediately after handling this product. Wash outside of gloves before removing. As soon as possible, wash thoroughly and change clothing

Handling: Wear protective clothing consisting of a long-sleeved shirt, long pants, protective gloves, face protection and eye protection. Work on the windward.

Storage: Store locked up. Store in a well-ventilated, dry and sunlight-protected place. Do not contaminate food or feed by storage.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Controls:

Industrial Hygiene: Work areas should be well-ventilated. Facilities utilizing or storing this material should be equipped with an eyewash facility and safety shower.

Good industrial hygiene practice dictates that indoor work areas are isolated and provided with adequate local exhaust ventilation. In outside batch operations, work upwind.

Personal protective equipment:

Respiratory protection: Suitable dust/mist filtering respirator

Hand protection: Chemical-resistant gloves

Eye protection: Safety goggles

Skin and body protection: Protective clothing consisting of a long-sleeved shirt, long pants and shoes plus socks. Clothing and shoes should be conductive.

9. PHYSICAL AND CHEMICAL PROPERTIES

Date of Preparation: January 31, 2016

Product Name: PoaCure (Methiozolin 25% SC)

MSDS No.: v14



Appearance:	Opaque, viscous liquid
Colour:	White milky
Odour:	Slight preservative odor
pH Value:	6.33
Melting Point:	ND
Boiling Point:	>100 °C
Flash Point:	ND
Lower Explosion Limit:	ND
Vapour Pressure:	Methiozolin <math>< 5.6 \times 10^{-5}</math> Pa at 25°C
Density:	1.09 g/cm ³ at 20.5°C
Solubility in	
Water:	1.5 mg/L at 20°C (Methiozolin technical)
Partition Coefficient n-octanol/water (log Pow) :	3.1 at 20°C
Decomposition temperature:	>200°C

10. STABILITY AND REACTIVITY

Reactivity: Stable against heat, acid, alkaline and sunlight under normal handling conditions.

Hazardous decomposition products: Combustion may produce toxic fumes of carbon monoxide, hydrogen chloride and sulfur dioxide.

11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity (LD ₅₀)	>2,500 mg/kg (rat-male/female)
	>2,000 mg/kg (mouse-male/female)
Acute Dermal Toxicity (LD ₅₀)	>2,000 mg/kg (rat-male/female)
Acute Inhalation Toxicity (LC ₅₀ (4 hr))	>5.9 mg/L (rat-male/female)
Skin Irritation:	Non-irritant (rabbit)
Eye Irritation:	Non-irritant (rabbit)
Respiratory Sensitization:	No data available
Skin Sensitization:	Negative (guinea pig)
Germ Cell Mutagenicity:	Negative (Methiozolin technical)
Carcinogenicity:	Unavailable
Reproductive Toxicity:	No effect (Methiozolin technical)

Specific Target Organ Toxicity (Single Exposure):

Not identified (Methiozolin technical).

Specific Target Organ Toxicity (Repeated Exposure):

Not identified

Aspiration Hazard

No data available

12. ECOLOGICAL INFORMATION

Fish Toxicity:	Carp	LC50 (96 hr)	2.36 mg/L
Others:	Daphnia	EC50 (48 hr)	2.7 mg/L
	Alga	ErC50 (0-72 hr)	1.19 mg/L
Avian Toxicity:	Quail	LD50 (Oral)	>2,250 mg/kg

Mallard LD50 (Oral) > 2,250 mg/kg

Residue/degradability: Soil half life of Methiozolin was 2 weeks
Bioaccumulation: Not accumulate or low accumulation.

13. DISPOSAL CONSIDERATIONS

Local regulations should be adhered to:
Do not contaminate water by disposal.
Dispose of containers and residues in accordance with local/regional/national regulations.

14. TRANSPORT INFORMATION

Non-dangerous goods, Not regulated.

15. REGULATORY INFORMATION

Follow all regulations in your country or region.

16. OTHER INFORMATION

Product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with legal regulations. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should therefore not be constructed as guaranteeing specific properties.
