

SAFETY DATA SHEET

Date: 7, March, 2016
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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME **Miteclean 10SC**
SYNONYMS: MITECLEAN 10SC, MITECLEAN 10% SC, Miteclean 10%SC
 Pyrimidifen 10%SC, Pyrimidifen 10SC
USE OF PRODUCT Miticide/insecticide for use in agriculture and horticulture

COMPANY IDENTIFICATION

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2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Acute toxicity	
Oral	Not classified
Dermal	Not classified
Inhalation	Category 4
Skin corrosion/irritation	Not classified
Serious eye damage/eye irritation	Not classified
Skin sensitization	Category 1
Target organ toxicity	
Single exposure	Category 1 (lung)
Repeated exposure	Category 1 (blood system) Category 2 (liver)
Aquatic hazard	
Acute	Category 1
Chronic	Category 1

GHS LABEL ELEMENTS

Hazard Pictograms



Signal Word

Danger

Hazard Statements

H317: May cause allergic skin reaction.
 H332: Harmful if inhaled.
 H370: Causes damage to lung.
 H372: Causes damage to blood system through prolonged or repeated exposure.
 H373: May cause damage to liver through prolonged or repeated exposure.
 H410: Very toxic to aquatic life with long lasting effects.

Precautionary Statements

Prevention
 P260: Do not breathe mist.

- P264: Wash hands and face thoroughly after handling.
 P270: Do not eat, drink or smoke when using this product.
 P271: Use only outdoors or in a well-ventilated area.
 P272: Contaminated work clothing should not be allowed out of the workplace.
 P273: Avoid release to the environment.
 P280: Wear protective gloves/protective clothing/eye protection/ face protection.

Response

P302+P352:

IF ON SKIN: Wash with plenty of water.

P304+P340:

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P308+P311:

IF exposed or concerned: Call a POISON CENTER or doctor/physician.

P312: Call a POISON CENTER or doctor/physician if you feel unwell.

P333+P313:

If skin irritation or rash occurs: Get medical advice/attention.

P362+P364:

Take off contaminated clothing and wash it before reuse.

P391: Collect spillage.

Storage

P405: Store locked up.

Disposal

P501: Dispose of contents or container in accordance with local, regional, national and international regulations.

OTHER HAZARDS

Toxic to bees and silk worms.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	% (g/L)	CAS No.
Pyrimidifen (*)	10 (104)	105779-78-0
Inert ingredients	90	-

* 5-chloro-*N*-[2-[4-(2-ethoxyethyl)-2,3-dimethylphenoxy]ethyl]-6-ethylpyrimidin-4-amine

Occupational exposure limits are, if available, listed in Section 8.

4. FIRST AID MEASURES

INGESTION

Rinse mouth with water. Get medical attention immediately. Induce vomiting as directed by medical personnel. Never give anything by mouth to an unconscious or convulsing person.

INHALATION

If you feel unwell, move to fresh air immediately. Get medical attention if cough or other symptoms develop. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

SKIN CONTACT

Immediately remove contaminated clothing and shoes. Flush skin and clean off with large amounts of water. Get medical attention if symptoms develop.

EYE CONTACT

Immediately flush with plenty of water. Part eyelids with fingers to assure complete flushing. Check for and remove contact lenses if easily possible. Get medical attention if irritation persists.

5. FIREFIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA

Foam, dry chemical, CO₂, water, sand.

GENERAL HAZARD

Emits toxic fumes in fire condition.

No unusual fire or explosion hazard for normal industrial or commercial handling.

HAZARDOUS COMBUSTION PRODUCTS

Nitrogen oxides, halogenated compounds.

FIREFIGHTING INSTRUCTIONS

Keep unnecessary and unprotected personnel away. Shut off supply if possible. Remove containers to safe place if possible. Keep containers and surroundings cool by spraying with water. Fight fire from an upwind position.

FIREFIGHTING EQUIPMENT

Respiratory and eye protection is required for firefighting personnel.

Full protective equipment and self-contained breathing apparatus (SCBA) should be used for all indoor fires and any significant outdoor fires.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS AND EMERGENCY PROCEDURES

Warn and evacuate in the neighborhood as necessary. Keep unnecessary and unprotected personnel away. Wear appropriate personal protective equipment as specified in Section 8. Remove all sources of ignition. Stop leak if possible without personal risk.

ENVIRONMENTAL PRECAUTIONS

Do not let this product enter the environment.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Absorb or cover the spilled product with dry earth, sand or other non-combustible material, and transfer to sealable containers. Large spills: Dike far ahead of liquid spill for later disposal.

7. HANDLING AND STORAGE

HANDLING

Technical Measures

Use only with adequate ventilation.

Where there may be potential of fire or explosion hazard, use explosion-proof electrical equipment and take precautions against build-up of electrostatic charges.

Wear appropriate personal protective equipment. Keep away from heat, sparks, open flames and hot surfaces.

Precautions

Handle with care. Do not breathe mist. Avoid contact with eyes, skin and clothing.

Take precautionary measures against static discharge.

Advice on general occupational hygiene

Provide hand and eye wash station near work area. Wash hands thoroughly after use. Take off contaminated protective equipment before entering rest areas. Do not eat, drink or smoke when using this product.

STORAGE

Storage Conditions

Keep away from heat, flame and all sources of ignition. Store in a cool, dark and well-ventilated area. Keep container tightly closed and sealed until ready for use.

Do not contaminate other pesticides, fertilizers, water, foodstuffs or feed by storage and disposal.

Packaging Materials
Plastic, metal container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMIT VALUES

Not established for this substance/product.

ENGINEERING CONTROLS

Provide general ventilation. Using closed system or local exhaust ventilation is recommended.
Provide safety shower and eye wash station near work area.

PERSONAL PROTECTION

Eye/face protection:	Safety glasses, goggles, face shield.
Skin Protection:	
Hand protection:	Chemical resistant impermeability gloves.
Body Protection:	Safety helmet, protective clothing, safety boots.
Respiratory protection:	Chemical cartridge respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Light brown viscous suspension.
Odor:	Not available
pH:	9
Melting point:	Not available
Flash point:	Not available
Flammability:	Water-based formulation [Not classified]
Specific gravity (20°C):	1.02
Solubilities:	Soluble in water.
Viscosity (20°C):	200-500 mPa·s

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY

Stable under normal conditions.

HAZARDOUS REACTIONS

No hazardous reaction when handled and stored according to provisions.

CONDITIONS TO AVOID

Not available.

INCOMPATIBLE MATERIALS

Not available.

HAZARDOUS DECOMPOSITION PRODUCTS

Nitrogen oxides, halogenated compounds.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Oral:	Rat	LD ₅₀ >2000 mg/kg	[Not classified]
Dermal:	Rabbit	LD ₅₀ >2000 mg/kg	[Not classified]
Inhalation:	Rat	LC ₅₀ 1.399 mg/L/4hr	[Category 4]

Skin Corrosion/Irritation

Rabbit	Non Irritant	[Not classified]
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Serious Eye Damage/Irritation Rabbit	Non irritant	[Not classified]
Respiratory Sensitization	Not available	[Classification not possible]
Skin Sensitization Guinea pig	A skin sensitizer.	[Category 1]
Germ Cell Mutagenicity	Not available	[Classification not possible]
Carcinogenicity	Not available	[Classification not possible]
Reproductive Toxicity	Not available	[Classification not possible]
Specific Target Organ Toxicity Single Exposure:	Contains Pyrimidifen (category 1, lung)	[Category 1 (lung)]
Repeated Exposure:	Contains Pyrimidifen (category 1 blood system, category 2 liver)	[Category 1 (blood system)] [Category 2 (liver)]
Aspiration Hazard	Not available	[Classification not possible]

12. ECOLOGICAL INFORMATION

HAZARDOUS TO THE AQUATIC ENVIRONMENT

Acute: Contains Pyrimidifen (Category 1, M=1000). [Category 1]
 Chronic: Contains Pyrimidifen (Category 1, M=1000). [Category 1]

ECOTOXICITY:

[Pyrimidifen]

Rainbow trout LC₅₀ (96hr) 0.00038 mg/L

HAZARDOUS TO THE OZONE LAYER

This product does not contain $\geq 0.1\%$ of at least one ingredient listed in the Annexes to the Montreal Protocol. [Classification not possible]

13. DISPOSAL CONSIDERATIONS

WASTE FROM RESIDUES

Waste must be disposed of in accordance with federal, state, local, national and international regulations.

CONTAMINATED PACKAGING

Empty the container completely before disposal.

14. TRANSPORT INFORMATION

UN

Hazard Class:	9
UN Number:	UN3082
Shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE LIQUID, N.O.S. (Pyrimidifen mixture)
Packing group:	III
Marine Pollutant:	Yes

SPECIAL PRECAUTIONS FOR TRANSPORT

Make sure that the containers have no puncture or leakage. Avoid rough handling and dropping. Prevent collapse of cargo piles.

15. REGULATORY INFORMATION

This product is pesticide.

Responsibility for compliance with applicable laws and regulations is with the user.

16. OTHER INFORMATION

References: In-house data

To the best of our knowledge, the information contained herein is accurate.

However, we cannot assume any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.