

SAFETY DATA SHEET

Date May 26 2015

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Penthiopyrad 20SC

USE OF PRODUCT: Experimental Use Only

COMPANY IDENTIFICATION

Mitsui Chemicals Agro, Inc.

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1-19-1, Nihonbashi, Chuo-ku, Tokyo 103-0027, Japan

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2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:

Acute toxicity

Oral : Not classified.

Dermal: Not classified

Inhalation: Not classified

Skin corrosion/irritation: Not classified

Serious eye damage/eye irritation: Not classified

Skin sensitization: Not classified

Aquatic hazard

Aquatic toxicity (acute): Category 2

Aquatic toxicity (chronic): Category 2

GHS LABEL ELEMENTS:

PICTOGRAMS:



SIGNAL WORD:

Not Applicable

HAZARD STATEMENT:

H411: Toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENT:

Prevention

P273: Avoid release to the environment.

Response

P391: Collect spillage.

Disposal

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

OTHER HAZARDS WHICH DO NOT RESULT IN CLASSIFICATION:

Not available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	%	CAS No.
Penthiopyrad (*)	20	183675-82-3
Surfactant/Water	80	-

* (RS)-N-[2-(1,3-dimethylbutyl)-3-thienyl]-1-methyl-3-trifluoromethyl-1H-pyrazole-4-carboxamide

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

4. FIRST AID MEASURES**INHALATION:**

If you feel unwell, move to fresh air immediately. Get medical attention if cough or other 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.

SKIN CONTACT:

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

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.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

Water jet, water fog, foam, dry chemical, CO₂

EXTINGUISHING MEDIA WHICH MUST NOT BE USED:

Not available.

GENERAL HAZARD:

No specific fire or explosion hazard for usual industrial or commercial handling. Emits toxic fumes in fire condition.

FIRE FIGHTING INSTRUCTIONS:

Material does not burn easily. Keep unnecessary and unprotected personnel away. Shut off supply if possible. Remove containers to safe place if possible. Keep containers cool by spraying with water. Fight fire from an upwind position.

FIRE FIGHTING EQUIPMENT:

Respiratory and eye protection required for fire-fighting personnel.

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

HAZARDOUS COMBUSTION PRODUCTS: Not available.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:

Keep unnecessary and unprotected personnel away. Wear appropriate personal protective equipment as specified in Section 8. Stop leak if possible without personal risk.

ENVIRONMENTAL PRECAUTIONS:

Do not let this chemical enter the environment.

CLEAN-UP METHODS:

Absorb or cover 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 with adequate ventilation.

Avoid contact with eyes, skin, and clothing.

Wear appropriate personal protective equipment.

Provide hand and eye wash station near work area.

Wash thoroughly after handling.

STORAGE:

Storage Conditions:

Protect from direct sunlight. Store in cool, dark and well-ventilated area. Keep container tightly closed.

Packaging Material: Plastics.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

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

EXPOSURE LIMITS:

None is established for this substance.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection: Vapor respirator.
 Hand protection: Protective gloves (rubber).
 Eye protection: Safety glasses or goggles.
 Protective clothing: Safety helmet, impervious protective clothing, apron, safety boots.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Milky white liquid.

ODOR: Mild sweet

pH(1%, 25°C): 7.11

Boiling point: Not available.

Flammability: >230 °F

Expoldability: No explosive.

DENSITY: 1.054 g/cm³ (23 °C)

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions.

INCOMPATIBLE MATERIALS AND CONDITION TO AVOID:
 Not available.

HAZARDOUS DECOMPOSITION PRODUCTS: Not available.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION**ACUTE TOXICITY:**

Oral	LD ₅₀	rat (female)	>5000 mg/kg
Dermal	LD ₅₀	rat	>5000 mg/kg
Inhalation	LC ₅₀	rat	>2.87 mg/L

LOCAL EFFECTS:

Eye rabbit	Non irritant
Skin rabbit	Non irritant

SKIN SENSITIZATION: LLNA Not a sensitizer

12. ECOLOGICAL INFORMATION

ECOTOXICITY:

Bluegill	LC ₅₀	5.7 mg/L/96 hr
Daphnia	EC ₅₀	12 mg/L/48 hr
Algae	ErC ₅₀	28.7 mg/L/0-72 hr

13. DISPOSAL CONSIDERATIONS

WASTE FROM RESIDUES:

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

CONTAMINATED PACKAGING:

Empty the container completely before disposal.

14. TRANSPORT INFORMATION

IMDG

Hazard Class: 9 (Marine Pollutant)
UN Number: UN3082
Shipping Name: Environmentally hazardous substance,
Liquid, n.o.s. (Penthiopyrad mixture)
P.G.: III

ICAO/IATA

Hazard Class: 9
UN Number: UN3082
Shipping Name: Environmentally hazardous substance,
Liquid, n.o.s. (Penthiopyrad mixture)
P.G.: III

DOT

Hazard Class: 9
UN Number: UN3082
Shipping Name: Environmentally hazardous substance,
Liquid, n.o.s. (Penthiopyrad mixture)
P.G.: III

Special Precautions for Transport:

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

15. REGULATORY INFORMATION

Regulatory information with regard to this product in your country or region should be examined by your own responsibility.

16. OTHER INFORMATION

Restrictions:

For Experimental use only.

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.