



## SAFETY DATA SHEET

### 1. Identification of the substance/preparation and of the company/undertaking

#### *Identification of the product*

Catalogue No: P26325

ID No.: 2952100

Product name: **Phenylthiourea**

#### *Manufacturer/supplier identification*

Company: Merck Eurolab Ltd, Merck House, Poole, Dorset, BH15 1TD, England  
Telephone : 01202 669700      Telefax : 01202 665599

Emergency telephone No.: 01202 669700

### 2. Composition/information on ingredients

#### *Chemical characterization*

Organic solid

Product name: Phenylthiourea

CAS number: 103-85-5

EC-No.: 203-151-2

### 3. Hazards identification

Very toxic if swallowed.

### 4. First aid measures

Eye contact: Irrigate thoroughly with water for at least 10 minutes. OBTAIN MEDICAL ATTENTION.

Inhalation: Remove from exposure, rest and keep warm. In severe cases obtain medical attention.

Skin contact: Wash off skin thoroughly with water. Remove contaminated clothing and wash before re-use. In severe cases, OBTAIN MEDICAL ATTENTION.

Ingestion: Wash out mouth thoroughly with water and give plenty of water to drink. OBTAIN

MEDICAL ATTENTION.

## **5. Fire-fighting measures**

### *Special risks:*

Combustible. May evolve toxic fumes in fire.

### *Suitable extinguishing media:*

Dry powder, carbon dioxide or vaporising liquids

## **6. Accidental release measures**

Wear appropriate protective clothing. Inform others to keep at a safe distance.

Mix with sand, transfer carefully to container and arrange removal by disposal company. Wash site of spillage thoroughly with water and detergent.

For large spillages liquids should be contained with sand or earth and both liquids and solids transferred to salvage containers. Any residues should be treated as for small spillages.

## **7. Handling and storage**

### *Handling:*

Under no circumstances eat, drink or smoke while handling this material. Wash hands and face thoroughly after working with material. Contaminated clothing should be removed and washed before re-use.

### *Storage:*

Store at room temperature (15 to 25°C recommended). Keep well closed and protected from direct sunlight and moisture.

## **8. Exposure controls/personal protection**

As appropriate to the situation and the quantity handled.

Respirator: Dust respirator

Ventilation: Extraction hood

Gloves: Rubber or plastic

Eye Protection: Goggles or face-shield

Other Precautions: Plastic apron, sleeves, boots - if handling large quantities

## **9. Physical and chemical properties**

Form: crystals

Colour:	colourless
Melting temperature	154°C
Boiling temperature	Not available
Density(g/ml)	1.3
Solubility in water	1 g/l

## 10. Stability and reactivity

Stable.

Substances to be avoided: strong oxidizing agents:

## 11. Toxicological information

Very toxic by ingestion and if inhaled as dust. Harmful by skin contact. Irritating to eyes and may irritate skin.

### *Further data*

LD50 3 mg/kg oral, rat.

No evidence of carcinogenic properties. Evidence of mutagenic effects.

## 12. Ecological information

No environmental hazard is anticipated provided that the material is handled and disposed of with due care and attention.

## 13. Disposal considerations

Chemical residues are generally classified as special waste, and as such are covered by regulations which vary according to location. Contact your local waste disposal authority for advice, or pass to a chemical disposal company. Rinse out empty containers thoroughly before returning for recycling.

## 14. Transport information

UN-No.: 2811	IMDG class: 6.1
IMO: 6.1/2811	Packaging group: I
IATA: 2811	Packaging group: I
Correct technical name: TOXIC SOLID, ORGANIC, N.O.S. (PHENYLTHIOUREA)	

ADR/RID: 6.1,73'(a)

## **15. Regulatory information**

### *Labelling according to EC directives*

Symbol: T+ Very toxic.

R-phrases: R28  
Very toxic if swallowed.

S-phrases: S28A-36/37-45  
After contact with skin, wash immediately with plenty of soap and water. Wear suitable protective clothing and gloves. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

EC-No.: 203-151-2

### *Local Regulations*

U.K. Transport Category 1

Within the UK, the use of this material must be assessed under the Control of Substances Hazardous to Health (COSHH) regulations.

UK Exposure Limits: None assigned

## **16. Other information**

Revised.  
Supersedes edition of: 18/08/94  
Reason for alteration: Changes in Section : 14, 15.

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