

# Safety Data Sheet

## Theacrine

Chemical reference material / technical compound

### SECTION 1: Identification of the substance and of the company

|                          |                                                                                              |
|--------------------------|----------------------------------------------------------------------------------------------|
| Product identifier       | Theacrine                                                                                    |
| Chemical name            | 1,3,7,9-tetramethylpurine-2,6,8-trione                                                       |
| CAS number               | 2309-49-1                                                                                    |
| Relevant identified uses | Chemical reference material; laboratory and analytical applications                          |
| Uses advised against     | Human/animal consumption; food, supplement, cosmetic, medical, diagnostic or therapeutic use |
| Supplier                 | Rexar, Genestetstraat 3, 2394 XK Hazerswoude-Rijndijk, Netherlands                           |
| Contact                  | info@rexar.nl   www.rexar.nl                                                                 |

### SECTION 2: Hazards identification

Use applicable supplier/batch hazard documentation; no Rexar-specific CLP classification is inferred from identity alone.

### SECTION 3: Composition / information on ingredients

|                   |                                                              |
|-------------------|--------------------------------------------------------------|
| Substance         | 1,3,7,9-tetramethylpurine-2,6,8-trione                       |
| CAS number        | 2309-49-1                                                    |
| Molecular formula | C <sub>9</sub> H <sub>12</sub> N <sub>4</sub> O <sub>3</sub> |
| Molecular weight  | 224.22 g/mol                                                 |
| Purity            | Lot-specific; refer to supplier documentation / COA          |

### SECTION 4: First-aid measures

**Inhalation:** Move to fresh air; seek medical advice if symptoms occur.

**Skin:** Wash with soap and water.

**Eyes:** Rinse cautiously with water for several minutes; seek advice if irritation persists.

**Ingestion:** Rinse mouth and seek medical advice.

### SECTION 5: Fire-fighting measures

Use extinguishing media appropriate to the surrounding fire. Combustion or heating may generate hazardous decomposition products. Use suitable protective equipment.

### SECTION 6: Accidental release measures

Avoid dust formation and inhalation. Ventilate. Wear suitable gloves and eye protection. Collect mechanically into a labelled container and prevent uncontrolled environmental release.

### SECTION 7: Handling and storage

Handle using good laboratory practice. Avoid contact with eyes and skin and avoid breathing dust. Keep tightly closed and follow lot-specific supplier storage information.

## SECTION 8: Exposure controls / personal protection

Use adequate ventilation, suitable laboratory gloves, protective clothing and safety glasses/goggles. Use respiratory protection where dust cannot otherwise be controlled.

## SECTION 9: Physical and chemical properties

|                   |                                                                                               |
|-------------------|-----------------------------------------------------------------------------------------------|
| Appearance        | Solid / powder                                                                                |
| Molecular formula | C <sub>9</sub> H <sub>12</sub> N <sub>4</sub> O <sub>3</sub>                                  |
| Molecular weight  | 224.22 g/mol                                                                                  |
| Other properties  | Verify lot- and method-dependent physical data from supplier documentation or experimentally. |

## SECTION 10: Stability and reactivity

Expected to be stable under recommended storage conditions unless supplier documentation indicates otherwise. Avoid incompatible materials and excessive heat.

## SECTION 11: Toxicological information

Complete toxicological data may not be available. Do not infer absence of hazard from incomplete data.

## SECTION 12: Ecological information

Ecotoxicity, persistence, bioaccumulation and mobility data may be incomplete. Avoid environmental release.

## SECTION 13: Disposal considerations

Dispose through an authorised chemical-waste route in accordance with applicable requirements. Do not discharge to drains.

## SECTION 14: Transport information

Verify transport classification against the exact supplied substance/grade and current supplier documentation before shipment.

## SECTION 15: Regulatory information

Product-specific regulatory obligations depend on identity, grade, quantity, jurisdiction and use and must be assessed by the user.

## SECTION 16: Other information

Revision date: 10 September 2026.

Identity reference: CAS 2309-49-1; PubChem CID 2153.

This SDS is not a certificate of analysis and may require revision when new supplier, batch or regulatory information becomes available.