

Safety Data Sheet

Tris(hydroxymethyl)aminomethane

Chemical reference material / laboratory chemical

SECTION 1: Identification of the substance and of the company

Product identifier	Tris(hydroxymethyl)aminomethane
Chemical name	2-amino-2-(hydroxymethyl)propane-1,3-diol
CAS number	77-86-1
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 the applicable supplier SDS for the supplied grade. PubChem provides a Laboratory Chemical Safety Summary; no complete Rexar-specific CLP classification is inferred from identity alone.

SECTION 3: Composition / information on ingredients

Substance	2-amino-2-(hydroxymethyl)propane-1,3-diol
CAS number	77-86-1
Molecular formula	C ₄ H ₁₁ NO ₃
Molecular weight	121.14 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. Heating may generate irritating or 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 and prevent uncontrolled environmental release.

SECTION 7: Handling and storage

Handle using good laboratory practice. Avoid breathing dust and unnecessary contact. Keep tightly closed and dry; 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 / crystalline powder
Molecular formula	C4H11NO3
Molecular weight	121.14 g/mol
Other properties	Verify grade- and method-dependent physical data from supplier documentation or experimentally.

SECTION 10: Stability and reactivity

Expected to be stable under recommended storage conditions. Avoid incompatible materials and excessive heat.

SECTION 11: Toxicological information

Refer to the applicable supplier SDS and current regulatory sources. Do not infer absence of hazard from incomplete data.

SECTION 12: Ecological information

Avoid uncontrolled environmental release. Refer to supplier/regulatory documentation for substance-specific ecological data.

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: PubChem CID 6503; CAS 77-86-1.

This SDS is not a certificate of analysis.