TECHNICAL INFORMATION

# DYTEK® BHMT - bis(hexamethylene)triamine

## Bis(hexamethylene)triamine

C12H29N3

### Product Description

DYTEK® BHMT triamine is a mixed amine containing 25-85 wt% of Bis(hexamethylene)- triamine (BHMT) as the primary component. Available in the following grades:

- • DYTEK® BHMT Amine (20% to 49%)
- • DYTEK® BHMT Amine (50% to 78%)

$NH_2(CH_2)_6NH(CH_2)_6NH_2$

### Typical Composition (wt %)

| | |
|---|---|
| Bis(hexamethylene)triamine (BHMT) | 25–85 |
| Oligomeric Amines | 6–70 |
| Caprolactam | 3–5 |
| Hexamethylenediamine | 1–3 |
| $C_{10}$ Amines | 1-4 |
| 6-Aminocaproamide | 1–3 |

### General Information

| | |
|---|---|
| CAS Registry Number | 68411-90-5 |
| Specific Gravity | 0.93–0.97 |
| Boiling Point, °C (°F), 100 mmHg with decomposition | 249 (480) |
| Melting Point, °C (°F) (pure component) | 32–34 (90-93) |
| Vapor Pressure, mmHg, 180°C (356°F) (pure component) | 7 |
| Flash Point, °C (°F) (open cup) | 121 (250) |
| Amine Value, mg KOH/g | 474-736 |

## Applications

- Asphalt anti-stripping agents
- Cationic emulsifying agents
- Cationic collectors for ore flotation
- Chelating agent
- Corrosion and scale inhibitors
- Curing agents for urethanes
- Curing agents for epoxy resins
- Flocculating agents
- Wet strength paper resins

### Packaging

Net Weight (lbs/kg)
Tank truck 45,000/20,400
Drums 400/181

July 2026

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**For Samples and Information:**
INVISTA Specialty Intermediates
www.DYTEK.INVISTA.com

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