# 3,6,9,12-tetraazatetradecamethylenediamine

### IDENTIFICATION NUMBERS

- **CAS:** 4067-16-7
- **EC/EINECS:** 223-775-9

### MORE INFORMATION

- **Molecular Formula:** C10H28N6
- **Synonyms:** pentaetilenhexamina, 1,14-diamino-3,6,9,12-tetra-aza-tetradecano, 3,6,9,12-tetra-azatetradecano-1,14-diamina

⚠ **Black list — Substances particularly hazardous to the environment or health**

## CLASSIFICATION AND LABELLING (Regulation 1272/2008)

**Symbols**



**GHS05**
Corrosive to metals



**GHS07**
Acute toxicity (oral, dermal, inhalation



**GHS09**
Hazardous to the aquatic environment

**Signal word:** Danger

**H Phrases**

**H314** : Causes severe skin burns and eye damage

Skin Corr. (Cat. 1B) : Skin corrosion/irritation

**H317** : May cause an allergic skin reaction

Skin Sens. (Cat. 1) : Respiratory/skin sensitization

**H400** : Very toxic to aquatic life

Aquatic Acute (Cat. 1) : Hazardous to the aquatic environment

**H410** : Very toxic to aquatic life with long lasting effects

Aquatic Chronic (Cat. 1) : Hazardous to the aquatic environment

## Specific health risks

### Sensitisers

Substances with skin or respiratory sensitisation potential

## Restriction/prohibition regulations

### Substances under CoRAP evaluation

Substances included in the Community Rolling Action Plan (CoRAP) of the REACH Regulation. These are substances selected for evaluation by EU Member States due to indications of risk to human health or the environment, with the aim of clarifying whether regulatory action is warranted.

| YEAR | MEMBER STATE |
| --- | --- |
| 2018 | Czech Republic |

**INITIAL GROUNDS FOR CONCERN**

Sensitiser; Consumer use; High (aggregated) tonnage; High RCR; Wide dispersive use

### Major accident hazards (Seveso)

Hazardous substances listed in Annex I of the Seveso III Directive (Directive 2012/18/EU), transposed in Spain by Royal Decree 840/2015. Their presence in industrial establishments in quantities equal to or above established thresholds triggers obligations to implement major accident risk control measures.