# 3,6,9,12,15-pentaazaheptadecane-1,17-diamine

## IDENTIFICATION NUMBERS

- **CAS:** 4403-32-1
- **EC/EINECS:** 224-542-4

## MORE INFORMATION

- **Molecular Formula:** C12H33N7

⚠ **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

**H312** : Harmful in contact with skin

Acute Tox. (Cat. 4 *) : Acute toxicity

**H302** : Harmful if swallowed

Acute Tox. (Cat. 4 *) : Acute toxicity

**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

### Labelling

| Concentration | Labelling |
|---|---|
| C >= 25 %: | C, N; R21/22-34-43-50/53 |
| 10 % <= C < 25 %: | C, N; R34-43-51/53 |
| 5% <= C < 10 %: | Xi, N; R36/38-43-51/53 |
| 1% <= C < 2,5 %: | Xi; R43-52/53 |
| 0,25 % <= C < 1 %: | R52/53 |

## Specific health risks

### Sensitisers

Substances with skin or respiratory sensitisation potential