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