# 2-Pyrrolidinone, 1-ethyl-@1-ethylpyrrolidin-2-one (NEP)

### IDENTIFICATION NUMBERS

- **CAS:** 2687-91-4
- **EC/EINECS:** 220-250-6

### MORE INFORMATION

- **Molecular Formula:** C6-H11-N-O

## CLASSIFICATION AND LABELLING (Regulation 1272/2008)

**Symbols**



**GHS08**

Respiratory sensitisation

**Signal word:** **Danger**

**H Phrases**

**H360D** : May damage the unborn child.

Repr. (Cat. 1B) : Reproductive toxicity

## Specific health risks

### Prohibited for pregnant workers

Substances prohibited for pregnant workers

### Reproductive toxicants

Substances classified as toxic for reproduction under Regulation 1272/2008

## Specific environmental risks

### Persistent bioaccumulative and toxic

Substances identified as Persistent, Bioaccumulative and Toxic (PBT) according to the criteria of Annex XIII of the REACH Regulation. They pose a special risk of accumulation in the environment and in the food chain.

| SOURCES | LINK |
| --- | --- |
| REACH | http://apps.echa.europa.eu/registered/data/dossiers/DISS-975ea1f1-24e2-0bdd-e044-00144f67d031/DISS-975ea1f1-24e2-0bdd-e044-00144f67d031_DISS-975ea1f1-24e2-0bdd-e044-00144f67d031.html |

### Hazardous water substances (Germany)

Substances classified with chronic aquatic toxicity under the CLP Regulation (H410–H413 phrases, Aquatic Chronic categories 1 to 4). They pose a long-term hazard to aquatic organisms, even at low concentrations and through prolonged exposure.

**MMA CLASSIFICATION**

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## Restriction/prohibition regulations

### Restricted substances under REACH

Substances listed in Annex XVII of the REACH Regulation (EC) No 1907/2006, subject to restrictions on their manufacture, placing on the market or use. Restrictions may be total or partial, limiting specific applications, maximum concentrations or user groups.

**NOTES**

1. Shall not be placed on the market as a substance on its own, as a constituent of other substances, or in mixtures in a concentration equal to or greater than 0,3 % after 23 December 2026 unless manufacturers, importers and downstream users have included in the relevant chemical safety reports and safety data sheets, derived no-effect levels (DNELs) relating to exposure of workers of 4,0 mg/m3 for long-term exposure by inhalation and 2,4 mg/kg bw/day for long-term dermal exposure. 2. Shall not be manufactured, or used, as a substance on its own, as a constituent of other substances, or in mixtures in a concentration equal to or greater than 0,3 % after 23 December 2026 unless manufacturers and downstream users take the appropriate risk management measures and provide the appropriate operational conditions to ensure that exposure of workers is below the DNELs specified in paragraph 1.

### Substances under PACT evaluation

Substances under active regulatory monitoring through ECHA's PACT (Public Activities Coordination Tool). Allows tracking which regulatory authorities are examining a substance and what potential regulatory actions are being considered (restriction, SVHC identification, harmonised classification, etc.).