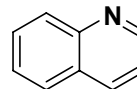


Quinoline**CAS N°:** 91-22-5**Empirical formula:** C₉H₇N**Synonyms:** 1-Benzazine
2,3-Benzopyridine
Benzo(b)pyridine
Chinoleine
Leucoline
Quinoleine**Structure:**

History: Initial reviews: New Standard
Current revision date: June 11, 2010
Implementation date: For new submissions*: August 11, 2010
For existing fragrance compounds*: August 11, 2011
Next review date: N/A

* This date applies to the supply of fragrance compounds (formulas) only, not to the finished products in the marketplace.

RECOMMENDATION: PROHIBITED**RESTRICTIONS:****Limits in the finished product:**Skin contact products:

Leave-on products: N/A Rinse-off products: N/A
Including household cleaning products

Non skin contact products: N/A

Note box:

The material is considered as a carcinogenic / mutagenic agent and had only minor reported use in fragrances.

REXPAN agreed to the IFRA policy to ban the material for the given effects and not further elaborate on a risk management policy.

Fragrance material specifications: N/A

Indicative contribution from other sources: None to consider (see also the note on contributions from other sources in the Introduction to the IFRA Standards).

Critical effect: Carcinogenicity/Mutagenicity**REXPAN Rationale / Conclusion:**

IFRA ban noted – REXPAN, June 2010.

References:

Commission Directive 2009/2/EC (31st ATP to Directive 67/548/EEC)