

Ethyleneimine



[CAS No. 151-56-4]

Reproductive toxicant: Group 3

There are no reports regarding the reproductive toxicity of ethyleneimine in humans. Animal studies have shown adverse effects on female reproductive function and embryo toxicity, including decreased pregnancy rate¹⁾, fetuses with hematomas^{1,2)}, and positive results in dominant lethal studies³⁾. Based on this evidence, ethyleneimine is classified as a Group 3 reproductive toxicant.

References

- 1) ACGIH. Ethyleneimine In: ACGIH, ed. 2011 TLVs and BEIs with 7th Edition Documentation CD-ROM. Cincinnati, OH: ACGIH; 2011.
- 2) Shefter VO, Indirect food additives and polymers, In Migration and Toxicology, Lewis Publishers, Boca Raton, FL, 2000. p. 83–5.
- 3) IARC, Aziridine, IARC Monographs 1999; 71: 337–44.