

15 Handling Precautions

Potassium hydroxide is a corrosive irritant to the skin, eyes, and mucous membranes. The solid and solutions cause burns, often with deep ulceration. It is very toxic on ingestion and harmful on inhalation. Observe normal handling precautions appropriate to the quantity and concentration of material handled. Gloves, eye protection, respirator, and other protective clothing should be worn.

Potassium hydroxide is strongly exothermic when dissolved in ethanol (95%) or water and considerable heat is generated. The reaction between potassium hydroxide solutions and acids is also strongly exothermic.

In the UK, the occupational exposure limit for potassium hydroxide has been set at 2 mg/m³ short-term.⁽²⁾

16 Regulatory Status

GRAS listed. Accepted for use in Europe in certain food applications. Included in the FDA Inactive Ingredients Guide (injections, infusions, and oral capsules and solutions). Included in nonparenteral and parenteral medicines licensed in the UK.

17 Related Substances

Sodium hydroxide.

18 Comments

The EINECS number for potassium hydroxide is 215-181-3.

19 Specific References

- 1 Lewis RJ, ed. *Sax's Dangerous Properties of Industrial Materials*, 10th edn. New York: Wiley, 2000: 3032.
- 2 Health and Safety Executive. *EH40/2002: Occupational Exposure Limits 2002*. Sudbury: HSE Books, 2002.

20 General References

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21 Author

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22 Date of Revision

26 June 2002.