Picric acid
\[ \text{C}_6\text{H}_3\text{N}_3\text{O}_7 \]

[CAS No. 88-89-1]

Occupational sensitizer: Skin, Group 2

Synonym: 2,4,6-trinitrophenol

**Summary of classification**

Picric acid is used as an explosive, raw material for pesticides and dyes, and reactive reagent in chemical analysis. An epidemiological study\(^1\) found that explosive production workers developed dermatitis in the area contacted by dust including picric ammonium and that the dermatitis disappeared after discontinuance of contact. Two reports\(^2, 3\) describing patients with contact dermatitis caused by picric acid-containing rubs indicated that the patients were positive for picric acid in a patch test conducted after they were cured. Consequently, picric acid is classified as a Group 2 substance that probably induces an allergic dermal reaction in humans.

Year of Proposal: 2014

**References**

