

**OCCUPATIONAL SAFETY AND HEALTH GUIDELINES  
FOR CHEMICAL HAZARDS**

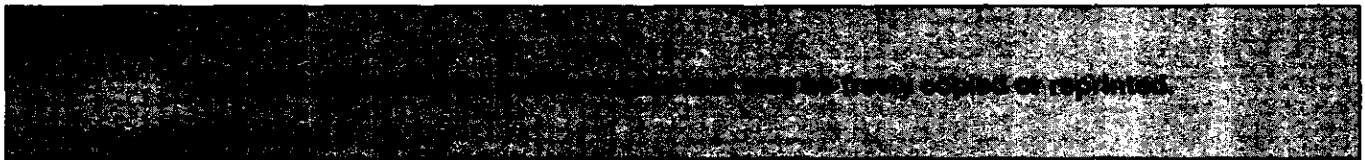
Supplement III—OHG

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### REVISED GUIDELINES

Acetaldehyde  
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### NEW GUIDELINES

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Bromine Pentafluoride  
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Butyl Acrylate  
n-Butyl Lactate  
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## NOTE TO THE READER

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This document is the third in a series of supplements to the 1981 Publication *NIOSH/OSHA Occupational Health Guidelines for Chemical Hazards* (Washington, DC: U.S. Department of Health and Human Services, National Institute for Occupational Safety and Health, DHHS [NIOSH] Publication No. 81-123). The two previous supplements are as follows:

1. *Occupational Safety and Health Guidelines for Chemical Hazards* (DHHS [NIOSH] Publication No. 88-118, Supplement I-OHG). This document contains 35 guidelines.
2. *Occupational Safety and Health Guidelines for Chemical Hazards* (DHHS [NIOSH] Publication No. 89-104, Supplement II-OHG). This document contains 30 guidelines.

The 50 guidelines presented here in the third supplement include 33 revisions of previously issued guidelines and 17 new guidelines. Readers should replace the outdated guidelines in the original 1981 publication with the revised guidelines provided here.

The 50 occupational safety and health guidelines presented here are being published to disseminate technical information about chemical hazards to workers, employers, and occupational safety and health professionals. Each guideline includes (1) data on the chemical name and synonyms, chemical and physical properties, exposure limits, and signs and symptoms of exposure, and (2) recommendations for medical monitoring, personal protective equipment, and control procedures. These recommendations reflect good industrial hygiene and medical monitoring practices, and their implementation should help employers to achieve sound occupational health programs.

The recommendations and information in these guidelines may be superseded as new information becomes available; readers should therefore regard these recommendations as general guidelines and should not rely on them for achieving compliance with occupational safety and health regulations.

The first two supplements to the original guidelines can be ordered from the Superintendent of Documents (U.S. Government Printing Office, Washington, DC 20402-9325) or from the National Technical Information Service (5285 Port Royal Road, Springfield, VA 22161 [telephone: 703-487-4650]). The original three-volume set of guidelines is available only from the National Technical Information Service (NTIS). The stock numbers for the U.S. Government Printing Office (GPO) and NTIS are as follows:

<i>Publication</i>	<i>GPO No.</i>	<i>NTIS No.</i>
Volumes I, II, III (DHHS [NIOSH] Publication No. 81- 123)	—	PB 83-154609
Supplement I-OHG (DHHS [NIOSH] Publication No. 88- 118)	017-033- 00439-1	PB 89-203129
Supplement II-OHG (DHHS [NIOSH] Publication No. 89- 104)	017-033- 00441-2	PB 89-203137