

References on Zeolites

U.S. Geological Survey:

- Zeolites. U.S. Geological Survey (U.S. Bureau of Mines prior to 1996), Minerals Yearbook, annual.
- Desborough, G.A., 1994, Capture of copper, lead, and zinc by the zeolite-clinoptilolite in metal-polluted drainages of Colorado: *in* USGS research on mineral resources, Carter, L. M. H., Toth, M. I., Day, W. C., eds., 1994; Part A, Program and abstracts, C 1103-A, p. 27, Ninth V. E. McKelvey forum on mineral and energy resources, Tucson, AZ, United States, Feb. 22-25, 1993.
- Desborough, G.A., 1996, Some chemical and physical properties of clinoptilolite-rich rocks: U.S. Geological Survey Open File Report 96-265, 7 p.
- Desborough, G.A., 1996, Nitrogen-loading capacities of some clinoptilolite-rich rocks: U.S. Geological Survey Open File Report 96-661, 17 p.
- Desborough, G.A., 1996, Potential use of clinoptilolite-rich rocks for capture and retention of soluble lead in aqueous systems such as soils, contaminated drainages, and waste water: U.S. Geological Survey Open File Report 96-715, 14 p.
- Desborough, G.A., 1996, Clinoptilolite-rich rocks in agricultural use for soil amendment and potential nitrogen-pollution mitigation: U.S. Geological Survey Open File Report 96-65, 32 p.
- Gilbert, J.S., O'Meara, P.M., Crock, J.G., Wildeman, T.R., Desborough, G.A., 1999, Adsorption capabilities of selected clinoptilolite-rich rocks as it relates to mine drainage remediation: U.S. Geological Survey Open File Report 99-17, 50 p.
- Sheppard, R.A., 1991, Descriptive model of sedimentary zeolites; deposit subtype, zeolites in tuffs of saline, alkaline-lake deposits: *in* Some industrial mineral deposit models; descriptive deposit models, Orris, G. J., Bliss, J. D., eds., U.S. Geological Survey Open File Report 91-11-A, p. 16-18.
- Sheppard, R.A. and Sheppard, E.W., 1993, Bibliography on the occurrence, properties, and uses of zeolites from sedimentary deposits, 1985-1992: U.S. Geological Survey Open File Report 93-570-A, 102 p.

Additional USGS publications on zeolites can be found using the USGS Library Catalog Search Engine on the WEB at <http://usgs-georef.cos.com/>

Other sources:

- Clifton, R.A., 1987, Natural and synthetic zeolites: U.S. Bureau of Mines Information Circular 9140, 21 p.
- Industrial Minerals, 1980, Zeolites: Industrial Minerals, no. 169, February, p. 21-38.
- 1987, Zeolites cleaning up: Industrial Minerals, no. 232, January, p. 19-33.
- 1995, Natural zeolites: Industrial Minerals, no. 339, December, p. 40-53.
- Mumpton, F., ed., 1977, Mineralogy and Geology of Natural Zeolites: Mineralogical Society of America, Short Course Notes, v. 4, November, 233 p.
- Pond W.G. and Mumpton, F.A., eds., 1984, Zeo-Agriculture: Westview Press, Boulder, 1984, 296 pp.
- Ming, D.W. and Mumpton, F.A., eds., 1995, Natural Zeolites 93: International Committee on Natural Zeolites, Brockport, 622 p.
- Roskill Information Services, 1995, The Economics of Zeolites, 4th ed: Roskill Information Services, London, 100 p.
- Sheppard, R.A. and Mumpton, F.A. 1981, Zeolites from sedimentary rocks: Clays and Clay Minerals, v. 29, no. 5, p. 321-412.
- Society for Mining, Metallurgy, and Explorations, 1994, Zeolites: Ch. *in* Industrial Minerals and Rocks, 6th ed., D. Carr, ed., Society for Mining, Metallurgy, and Explorations, Inc., Littleton, 1129-1158.
- Zeolites. Review in Mining Engineering magazine, annual.

For more information on the zeolite industry contact:

Robert L. Virta
U.S. Geological Survey
983 National Center
Reston, VA 20192
(703) 648-7726
rvirta@usgs.gov

For more information on zeolite geology contact:

Daniel Knepper
U.S. Geological Survey
Box 25046, MS 973, Denver Federal Center
Denver, CO 80225
(303) 236-1385
dknepper@usgs.gov