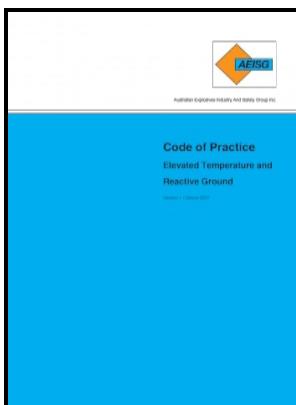


Reactivity of AN-FO with pyrite containing weathering products

Dept. of the Interior, Bureau of Mines - Reactivity of AN



Description: -

- Sanskrit literature
Chemical reactions.
Pyrites.
Nitrates.
Ammonium compounds. Reactivity of AN-FO with pyrite containing weathering products

- Eighteenth century -- reel 2502, no. 28.
Report of investigations (United States. Bureau of Mines) -- 8373.
Report of investigations - Bureau of Mines ; 8373 Reactivity of AN-FO with pyrite containing weathering products
Notes: Includes bibliographical references.

This edition was published in 1979



Filesize: 5.87 MB

Tags: #Chapter #2

Reactivity of AN

H₂SO₄ + CaO → CaSO₄ + H₂O. Calcite gypsum Heaving of columns has not been observed even in situations where the adjacent floor showed marked distortion. In iron-rich minerals such as olivine, the oxidation reaction begins with taking iron out of the mineral and putting it into solution as an ion.

Aerobic bacterial pyrite oxidation and acid rock drainage during the Great Oxidation Event

The corresponding oxidation states of sulphur in minerals are S⁰, S⁶⁺ and S²⁻, respectively.

Aerobic bacterial pyrite oxidation and acid rock drainage during the Great Oxidation Event

The products are highly soluble, and enter solution. Surface reactions of chromium in soils and waters. In the top curve, pyrite was mixed with incremental additions of coal and in the bottom curve coal was mixed with incremental additions of pyrite.

Browse subject: Mine explosions

Dover Publications, New York, NY. Here, heaving can be really excessive and the dangers of this are well known from experience.

A mechanistic study into the reactions of ammonium nitrate with pyrite

Atmospheric pollution present as metal-rich layers in ice cores from Greenland signifies more global effects of these historical mining and smelting activities Nocete et al. Iron in sulphide minerals such as pyrite FeS₂ can also be oxidized in this way. Physical removal mechanisms, such as flushing of contact water, also have an effect on the availability of ferric iron as an oxidant.

Aerobic bacterial pyrite oxidation and acid rock drainage during the Great Oxidation Event

Some minerals, like quartz, are virtually unaffected by chemical weathering. Previous studies with yeast RNA exposed to pyrite have shown that the apparent RNA degradation is not due to a reduction in pH of solution.

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