

# OFFICE OF THE TEXAS STATE CHEMIST

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## FEED INDUSTRY MEMORANDUM NO. 5-27

### Definition of Manganese Hydroxychloride

#### OBJECTIVE:

To define manganese hydroxychloride for addition to animal feed in the state of Texas.

#### BACKGROUND:

For the benefit of users and producers of agricultural feed products, a mechanism to approve new ingredients has been established. This will allow end-users of approved products to quickly get their product into the marketplace and implement their use than otherwise would be permitted by requiring their approval through customary channels such as AAFCO and/or FDA. The guiding principle of this is that an established science based need is being fulfilled are outlined in Feed Industry Memorandum 5-21.

#### POLICY:

Manganese hydroxychloride is the hydrolysis product of manganese chloride having the empirical formula  $Mn_2(OH)_3Cl$ . It must contain not less than 44% manganese and not more than 20% chloride, and not more than 50 ppm lead and 50 ppm arsenic.



Dr. Tim Herrman  
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