

## Agriculture

### Advanced Materials

# Manganese Chloride $MnCl_2$ Anhydrous Flake

Vibrantz is a leading manufacturer of engineered manganese chemicals and produces the largest variety of high-quality manganese products. Manganese chloride, produced from high-purity manganese ore, is an efficient manganese source in the production of certain chelated organic trace minerals and is suitable for foliar or soil applications without chelation. Vibrantz's unique, flaked material provides a good blend of handling ease and fast dissolution. In tank mixes, manganese chloride performs better with calcium than manganese sulfate.



#### Specifications

Formula	$MnCl_2$
$MnCl_2$ Assay (dry)	96 - 100%
Manganese Content	44%
Typical $H_2O$	≤1% (from 0 - 5% possible)
Typical Fe	≤0.02%

#### Physical Properties and Packaging

Color	Pink
Melting Point	650° C
Soluble In	$H_2O$ Alcohol
Insoluble In	Ethyl Esther, $NH_3$
Bulk Density	55 lbs/ft <sup>3</sup>
Standard Packaging	160 kg net weight steel drums on pallets, 640 kg net weight per pallet

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