



Product Specification

Product Name: **MAGNESIUM PERCHLORATE Anhydrous granular AR**

Alternate Name(s)

Description

White. Deliquescent.

Properties

Chemical Formula: $Mg(ClO_4)_2$

Molecular Weight: 223.21

Product Code: MA080

CAS No. 10034-81-8

General Information:

Very soluble in water and alcohol. May produce explosive mixtures with acids, combustible material or finely powdered metals. Explodes with shock.

Hazard and Safety Data

UN Group: II
Class: 5.1
UN Number: 1475
Hazchem code: 1Y
CS MSDS Code: 1CHK8
Poison schedule: Not scheduled
Emergency
Procedure Guide No.: 31

Quality Specification

Assay:

Specific Properties and Impurities [Typical levels]:

Specific Gravity	2.21
Melting point	251°C (decomposes)
Solubility in water	993 g/l
Suitability for moisture absorption	Passes test
Titration free acid	≤ 0.005 meq/g
Titration base	≤ 0.025 meq/g
Water (H ₂ O)	≤ 8%

CONFORMS TO ACS

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38 - 50 Bedford Street, Gillman SA 5013, Australia ABN 19 008 264 211 PO Box 201, Port Adelaide SA 5015, Australia
Telephone +61 8 8440 2000 Fax +61 8 8440 2001 E-mail: sales@chemsupply.com.au Web: www.chemsupply.com.au

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