

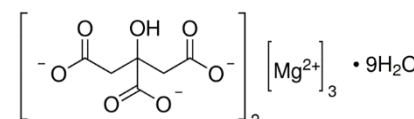


Product Specification

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MAGNESIUM CITRATE NONAHYDRATE

PRODUCT CODE	029098
SYNONYMS	Trimagnesium dicitrate nonahydrate; Citric acid magnesium salt; tri-Magnesium dicitrate nonahydrate.
C.I. NO.	--
CASR NO.	(153531- 96- 5)
ATOMIC OR MOLECULARFORMULA	$Mg_3(C_6H_5O_7)_2 \cdot 9H_2O$
ATOMIC OR MOLECULARWEIGHT	613.25
PROPERTIES	--
PARAMETER	LIMIT
Description	White crystalline powder.
Solubility	Slightly soluble in water.
Minimum Assay (Complexometric ;on dried subs.)	97.0%
Magnesium (Mg) content (on dried subs.)	15.0 – 16.5%
pH of (Suspension: 50 mg per ml in water)	Between 5.0 and 9.0



MAXIMUM LIMIT OF IMPURITIES

Chloride (Cl)	0.01%
Sulphate (SO ₄)	0.02%
Calcium (Ca)	0.05%
Cadmium (Cd)	0.005%
Copper (Cu)	0.005%
Iron (Fe)	0.005%
Heavy metals (Pb)	0.005%
Loss on drying (180°C for 5hrs.)	24.0 - 28.0%

Note(s) : Assay (if applicable) method mentioned

WARNING

Hazard statements :May cause respiratory irritation. Causes skin irritation. Causes serious eye irritation.

Precautionary statements

Prevention: Avoid breathing dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

Response: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor/physician if you feel unwell. If eye irritation persists: Get medical advice/attention.

Disposal: Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water. The quantities greater than 10g should be dissolved in water and transferred to heavy metal waste drums for collection by specialist disposal company.

Hazard Pictogram(s) :



GHS07

IMDG Code : --

UN No. : --

IATA :--