



# Product Specification

cdhfinechemical.com

## MAGNESIUM STEARATE PRECIPITATED

PRODUCT CODE	024978
SYNONYMS	(Stearic acid magnesium salt)
C.I. NO.	--
CASR NO.	(557-04-0)
ATOMIC OR MOLECULAR FORMULA	$C_{36}H_{70}MgO_4$
ATOMIC OR MOLECULAR WEIGHT	591.27
PROPERTIES	Decomposes by dilute acids.



PARAMETER	LIMIT
Description	Very fine light white powder odourless or with a very faint odour of stearic acid.
Solubility	Practically insoluble in water, in ethanol and in ether.
Identification (By FTIR)	Conforms
Assay (as Mg) (on dried substances)	3.8 - 5.0%
Colour of solution	Passes test.
Clarity and colour of soln. of the fatty acid	Passes test.

### MAXIMUM LIMIT OF IMPURITIES

Acidity or alkalinity	Passes test.
Acid number	195 - 210
Loss on drying (at 105°C)	6.0%
Free stearic acid	3.0%
Chloride (Cl)	0.025%
Sulphate (SO <sub>4</sub> )	0.6%
Heavy metals (as Pb)	0.001%
Zinc stearate	Passes test.

**Note(s) : 1] Assay (if applicable) method mentioned.**

#### WARNING

**Hazard statements :** Not Hazardous. No hazards.

**Precautionary statements**

**Prevention : ---**

**Response : ----**

IMDG Code :

UN No. :

IATA :

**Disposal:** - Dissolve the chemical in dilute acid and neutralize the excess acid with sodium carbonate and run to the normal waste with large amount of water. Any sand used to cover spillage should be thoroughly washed with water before disposal as normal waste. Alternatively the neutralized solution can be put in a container and disposed off.

Hazard Pictogram(s) :