



Product Specification

Product Name: TALC Purified TG

Alternate Name(s) Hydrous Magnesium Silicate; Talcum.

Description

White, apple-green, gray crystalline powder.

Properties

Chemical Formula: $3\text{MgO}\cdot 4\text{SiO}_2\cdot \text{H}_2\text{O}$

Molecular Weight: 379.266

Product Code: TT043

CAS No. 14807-96-6

General Information:

Insoluble in water and cold acids or in alkalis. Soluble in hot concentrated phosphoric acid.

Hazard and Safety Data

UN Group: None Allocated

Class: None Allocated

UN Number: None Allocated

Hazchem code: None Allocated

CS MSDS Code: 1CHSM

Poison schedule: Not Scheduled

Emergency

Procedure Guide No.: N/A

Quality Specification

Assay:

Specific Properties and Impurities [Typical levels]:

Silica	≤ 56.6 %
Magnesia	≤ 31.5 %
Alumina	≤ 3.4 %
Ferric Oxide	≤ 0.7 %
Lime	≤ 0.7 %
Loss on Ignition (1000 °C)	≤ 6.5 %
Sizing	< 4.0 % + 63 microns
Reflectance	> 86
Acid Solubles	≤ 2.0 %
pH (33% Slurry)	9.6
Specific Gravity	2.75
Surface Area (cm ² /g)	8200
Oil Absorption (mls/100g)	39
Bulk Density (Compacted, g/cm ³)	1.1

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