

## TekLeu® CSS

Technical Information

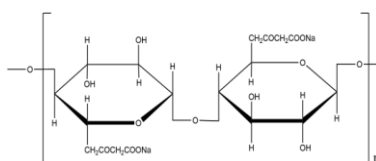
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## Croscarmellose Sodium



## Molecule Structure



CAS# 74811-65-7

EINECS # 1312995-182-4

## Physical &amp; Chemical properties

Standard	CP2020/ USP43-NF38/EP10.0
White or off-white powder;	
Hygroscopic	
Ethanol	NMT 0.01%
pH	5.9 - 7.0
Loss on drying	NMT 6.0%
Controlled particle size	D10: 25um max
	D50: 25-55um
	D90: 60um max

## Applications

■ This product is usually used as a disintegrating agent for capsules, tablets and granules, e.g. Finasteride Dispersible Tablets

■ Its water-swelling capacity is better than that of low-substituted sodium carboxymethyl cellulose and microcrystalline cellulose, and has better disintegrating effect, e.g. Triazolam Pulse Tablets

■ In tablets, this product is suitable for direct tableting and wet granulation. In wet granulation, internal and external processes can be used to better display the disintegration effect.

■ Generally the concentration of it is up to 5% (W/W) used as a disintegrating agent, the usual amount of direct tableting is about 2% (W/W), the usual amount of wet granulation is about 3% (W/W).

■ For hydrophobic auxiliary (such as calcium phosphate) compressed tablets, the disintegration effect is better, the minimum 0.5% (W/W) can exert the disintegration effect. However, when methyl cellulose is as a binder, it will prolong the disintegration time of this product. The greater the viscosity of methyl cellulose, the longer the extension time.

■ this product can be used for swelling materials of pulse preparations, solid dispersion carriers, gastrointestinal dwelling bioadhesive drug release systems, etc.

Whether in the wet granulation process or the direct tableting process, if there are other hygroscopic excipients in the prescription, the disintegration effect can be slightly reduced.

Combining with methyl cellulose will prolong the disintegration time, and corn starch will inhibit the disintegration effect.

## Incompatibility

Croscarmellose sodium is incompatible with soluble salts of strong acids, iron, or other metals (such as aluminum, mercury, zinc).

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## Features & Benefits

- Super disintegrant
- Superior performance at lower concentration
- High-purity
- Broad functionality
- Improved cost performance

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## Storage & Handling

This product has strong hygroscopicity. It should be stored in a sealed, cool and dry place.

Packing: 25kg drum

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## Safety

Safety Data Sheet has been compiled for Croscarmellose Sodium (TekLeu® CSS) that contains up-to-date information on questions relevant to safety.

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### Note:

The data are controlled at regular intervals as part of our quality assurance program. Neither these data nor the properties of product specimens shall imply any legally binding guarantee of certain properties or of fitness for a specific purpose. No ability of ours can be derived therefrom.