

Chemical Company of Sabz Gostaresh Azin Torkan

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Properties:

Product name	Chitosan, High Molecular Weight
CAS Number	9012-76-4
Chemical Structure	$(C_6H_{11}NO_4)_n (C_8H_{13}NO_4)_m$, Poly(D-glucosamine)
Appearance	White to Yellowish
Heavy metals	Not detectable
Purity	~97 %
Degree of Deacetylation (DD)	~75 %
Remained protein	<0.7 wt%
Remained calcium	<0.4 wt%
Solubility	1 wt% of acetic acid or lactic acid
Molecular Weight	450000-600000 Da
Packaging	25, 50, 100 g in poly(ethylene) bottles

Relevant identified uses of the chitosan or mixture: **Laboratory chemicals, Industrial & professional use**

Hazards identification: **Not a hazardous substance**

Handling and storage: **Provide appropriate exhaust ventilation at places where dust is formed. Store in cool place. Keep container tightly closed in a dry and well-ventilated place.**

Acute toxicity: **LD50 Oral-Rat >10.000 mg/kg Chitosan**