

# SODIUM ALGINATE

## PRODUCT IDENTIFICATION

CAS NO.	9005-38-3
EINECS NO.	Not listed
FORMULA	(C <sub>6</sub> H <sub>7</sub> NaO <sub>6</sub> ) <sub>n</sub>
MOL WT.	
H.S. CODE	3913.10
TOXICITY	Oral rat LD50: >5 gm/kg
SYNONYMS	Sodium Polymannuronate; Algin; Manucol; Kelgin; Manutex; Minus; Halltex; Protanal; Kelgum; Kelcosol; Nouralgine; Tagat; 海藻酸钠;

## DERIVATION

## CLASSIFICATION

## PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	white to light yellow granules or powder
MELTING POINT	> 300 C
BOILING POINT	
SPECIFIC GRAVITY	
SOLUBILITY IN WATER	soluble
pH	
VAPOR DENSITY	
AUTOIGNITION	
NFPA RATINGS	Health: 1; Flammability: 0; Reactivity: 0
REFRACTIVE INDEX	
FLASH POINT	
STABILITY	Stable under ordinary conditions

## GENERAL DESCRIPTION AND APPLICATIONS

Sodium Alginate, completely soluble in water, is the sodium salt of Alginic acid derived from selected varieties of brown seaweed. Sodium Alginate's unique property is to form gels when combined with calcium ions without heating. This reaction is widely used throughout the industry to texturize and stabilize many food products. In the food industry, sodium alginate is used for gelling, thickening, stabilizing and film forming properties. It is also widely used in textile industry to improve brightness and strength yarns, in the printing and dyeing industry as a thickening agent, in paper industry, in dental industry, in cosmetic industry, in water Treatment and in medical industry.

## SALES SPECIFICATION

### FOOD GRADE

APPEARANCE	white to light yellow granules or powder
VISCOSITY	20cps-1,000cps as per buyer's request
pH	6.0 - 8.0
MOISTURE	15% max
INSOLUBLES IN WATER	0.06% max
ASH	21.0% max
HEAVY METALS	0.004% max
LEAD	0.0004% max
ARSENIC	0.0002% max
TOTAL PLATE COUNT	5000/g max

YEAST AND MOULD	500/g max
ECOLI	Absent
SALMONELLA	Absent
TECH GRADE	
APPEARANCE	white to light yellow granules or powder
VISCOSITY	20cps-1,000cps as per buyer's request
pH	6.0 - 8.0
MOISTURE	15% max
INSOLUBLES IN WATER	0.3% max
CALCIUM CONTENT	0.3% max
TRANSPORTATION	
PACKING	25kgs in Bag
HAZARD CLASS	Not regulated
UN NO.	
OTHER INFORMATION	