

Sodium Carboxy Methyl Cellulose Tech Information

GENERAL

Product name	SODIUM CARBOXY METHYLCELLULOSE, also NaCMC, CMC, SCMC
General applications	This product has a wide range of applications; it can be used as a thickener, a water-retaining agent, an emulsifier and a lubricant in varied fields.
Sales representative	LMS Canada

CHEMICAL INGREDIENT / COMPOSITION

Main ingredient	Sodium Carboxy Methyl Cellulose, general formula: Cell-O-CH ₂ -COONa
M.W.	Varies
Product grade	There are industrial grade, patrol grade, foodstuff grade and medical grade etc... Table below gives information on industrial graded NaCMC.

Brand	Replacement (D.S) ≥	Purity (%) ≥	Viscosity (mpa.s) at 2% & 25°C	pH value	Granularity (60 mesh) ≥	Moisture (%) ≤
IL6	0.50-0.70	55	5-40 *	8.0-11.5	80	10
IL8	0.80	75	< 300	7.0-9.0	80	8
IM6	0.60	75	300-800	6.0-8.5	80	8
IMH8	0.80	92	≥ 600	6.0-8.5	80	10
IH6	0.60	92	800-1200	6.0-8.5	80	8
IH8	0.80	92	800-1200	6.0-8.5	80	8
IH9	0.90	97	800-1200	6.0-8.5	80	8
ISH9	0.90	97	> 1200	6.0-8.5	80	8

* Solution of CMC with viscosity of 1%.

TECHNICAL DATA

Physical state	Solid
Appearance	white or off-white, dry powder or particles
Odour	Slight marine
Melting point	Approx 300 °C
Auto-ignition temperature	Approx 420 °C
pH value	6.0 – 11.5 adjustable depending on product grades
Special gravity	0.75
Chemical stability	Stable
Solubility	Freely soluble in both cold and hot water
Reactivity, and under what conditions	Will react with some salt such as aluminum salt

PACKAGE & STORAGE

Package & storage	Sealed in nylon woven bags or paper bags with plastic lining or store in tight containers; store in a dry and cool area
Theoretic shelf life	Over two years while stored in proper environment

TOXICOLOGICAL PROPERTIES

Refer to MSDS of product.

Note: The information above is based on technical data provided by the manufacturer and those publications available. It is subject to change or update without notice.