NB ENTREPRENEURS

A GMP & ISO Certified Company

Committed | Consistent | Credible

www.nb-cellulose.com

Excipient excellence since 1976.

Founded in 1976, NB Entrepreneurs has spent decades advancing excipient science for over **1,000 customers across 192 cities in 20+ countries**. We manufacture high-functionality excipients—binders, disintegrants, lubricants, functional fillers, thickeners, stabilizers, and carriers—serving **regulated pharmaceutical markets** as well as food and personal care industries. Our products are supplied to **75+ USFDA-accredited facilities** and are audited and approved by **250+ global regulatory agencies and clients.**

Current MCC group capacity: 18,000 MT per year.

Why NB Entrepreneurs

- Over 110 Million Kgs of Excipients delivered — and Counting
- "Quality-by-Design" approach for product development and manufacturing
- Fully Compliant with USFDA, ICH, and IPEC guidelines
- Artificial Intelligence (AI) Controlled Production and Quality Management Systems.
- Strict Adherence to all Regulatory and Quality Norms
- Premium Quality at Competitive Prices, ensuring superior value
- Global Presence — exporting to 20+ countries, including regulated markets such as Europe, USA, and Australia

Certifications

US-FDA (DMF)

ISO 9001:CERTIFIED

FSSAI Approved

GMP

HALAL

KOSHER

NON-GMO

FAMI - QS

99.4%
Perfect Order Rate

85%
Customer Lifetime Value

24Hrs
Average Resolution Time

Eminent Brands

SANCEL® Microcrystalline Cellulose	**STARCEL®** Co-processed Excipients	**SUPERCEL® F** Food Fibers	**SUPERCEL® D** Industrial Applications
CAPCEL® MCC Spheres	**SOLUCEL®** Croscarmellose Sodium	**MAGLUBE®** Magnesium Stearate	**MANNISTAR®** Mannitol
WELDCEL® Welding Electrodes	**HYDROCEL®** Construction Chemicals	**STAR LUBE®** Pharma Lubricants	**SUPER LUBE®** Pharma Lubricants

FRONT

Microcrystalline Cellulose

US DMF # 27409
KOSHER Certified

Introduction

Microcrystalline cellulose is widely used in pharmaceuticals, primarily as a binder/diluent in oral tablet and capsule formulations where it is used in both wet-granulationand direct-compression processes. In addition to its use as a binder/diluent, microcrystalline cellulose also has some lubricant and disintegrant properties that make it useful in tableting.

Grades

a) SANCEL 101
b) SANCEL 102
c) SANCEL 103
d) SANCEL 105
e) SANCEL 112
f) SANCEL 200
g) SANCEL 301
h) SANCEL 302

Pharmacopoeial Compliance

- Indian Pharmacopoeia - I.P.
- British Pharmacopoeia - B.P.
- European Pharmacopoeia - Ph.Eur.
- United States Pharmacopoeia - U.S.P.
- Japanese Pharmacopoeia - J.P.

Applications

- Most commonly used Excipient in Tableting / Formulation in Pharmaceuticals
- It is Multifunctional Excipient
- It is used as binder /diluent in tableting

Advantages

- Chemical Purity / Low Reactivity
- Excellent Binding Capability
- Good Filler Properties
- Better Disintegrating Property
- Greater Flowability
- Rapid wicking action permit fast addition of granulation fluid.
- Highly Absorbent

Unique Features of SANCEL

- Angle of Repose
- Customized Bulk Density
- Low Moisture
- Excellent Flowability
- Better Compressibility
- TSE/BSE Free
- GMO Free
- OVI/ Residual Solvents Free
- Vegetal Origin

SANCEL™

BACK

Microcrystalline Cellulose Spheres

Introduction

Microcrystalline Cellulose Spheres are Neutral Spheres for sugar free products, highly soluble & controlled released formulation products. Spheres does not contain Starch or Lactose in it and are also uniform in size which makes it a perfect carrier.

Grade	Mesh	Micron
SP - 100	70 - 140	100 - 200
SP - 200	45 - 70	200 - 355
SP - 350	35 - 45	355 - 500
SP - 500	25 - 35	500 - 710
SP - 700	18 - 25	710 - 1000
SP - 1000	14 - 18	1000 - 1400

Pharmacopoeial Compliance

- United States Pharmacopoeia - U.S.P.

Applications

- Used in Manufacturing of Granules for sustained-release.
- Can also be used in taste-masking and other special applications.
- Suitable for non-carcinogenic products.
- Adopted to controlled release or sustained release formulations

Advantages

- Optimum water absorption
- High Mechanical Strength
- Very low friability level
- Improves stability of the finished product
- Higher payload permits smaller capsule sizes
- High abraison resistance improves and simplifies the coating process

Unique Features of SANCEL

- Sphericity degree average >90%
- Fine and uniform particle size
- Agglomeration during coating process is minimal.

SANCEL™

FRONT

Co-Processed MCC

Silicified Microcrystalline Cellulose

Introduction

Silicified microcrystalline cellulose is a synergistic, intimate physical mixture of two components: microcrystalline cellulose and colloidal silicon dioxide. Silicified microcrystalline cellulose contains upto 2% w/w colloidal silicon dioxide.

Grades

a) SMCC 50
b) SMCC 90
c) SMCC HD90
d) SMCC 90LM

Pharmacopoeial Compliance

- United States Pharmacopoeia - U.S.P.

Applications

- Used as a filler in the formulation of capsules and tablets.
- Improved compaction properties both in wet granulation and direct compression.
- Improved blending property

Advantages

- Flowability is improved
- Requires lower compression pressures
- Compactability after wet granulation is maintained
- Compacts exhibit greater stiffness

Unique Features of SANCEL

- Loss of Compaction in Wet Granulation process is reduced.
- Beneficial in formulation of powder filled capsules
- Greater tensile strength

STARCEL™

BACK

Co-Processed MCC

Lactose Monohydrate with Microcrystalline Cellulose

Introduction

Alpha-Lactose Monohydrate and microcrystalline cellulose were co-spray-dried, creating a mono particulate system having two compaction mechanisms, brittle fracture and plastic deformation, within individual particles.

Grades

a) SLAC - 100

Pharmacopoeial Compliance

- United States Pharmacopoeia - U.S.P.

Applications

- Functional excipients used in oral solid dosage forms
- May be used in dry granulation and capsule filling
- Suitable for both Low dose and High dose formulations

Advantages

- Increased compactability and powder flow
- Improved flowability and compaction properties
- Improved content uniformity.
- Increase tablet hardness

Unique Features of SANCEL

- A Hausner ratio below 1.25 or Carr's index below 20 indicates that powders are freely flowing.
- Excellent flow properties create the shear necessary to disperse API
- Ideal for low-dose formulations where API content uniformity is critical.
- Ideal tablet surface for straight forward and economical coating

SANCEL™

FRONT

Croscarmellose Sodium

Introduction

Croscarmellose sodium is a cross linked polymer of carboxy methyl cellulose sodium and used in pharmacuetical formulation as a disintegrant. Croscarmellose sodium occurs as an odorless, white or grayish white powder.

Applications

- It is used in oral pharmaceutical formulations as a disintegrant for capsules, tablets and Granules
- It is used used in both direct-compression and wet-granulation processes.

Advantages

- Fast disintegration & dissolution
- Better stability
- Good flowability and mixing properties

Unique Features

- Greater level of dissolution of tablets
- Excellent API stability
- Cost-effectiveness
- GMO Free

Pharmacopoeial Compliance

- Indian Pharmacopoeia - I.P.
- British Pharmacopoeia - B.P.
- European Pharmacopoeia - Ph.Eur.
- United States Pharmacopoeia - U.S.P.
- Japanese Pharmacopoeia - J.P.

SOLUCEL™

Magnesium Stearate

Introduction

Magnesium stearate is a very fine, light white, precipitated or milled, impalpable powder of low bulk density, having a faint odor of stearic acid and a characteristic taste. It mainly consists of variable proportions of magnesium stearate and magnesium palmitate obtained from vegetable sources.

Applications

- It is primarily used as a lubricant in capsule and tablet manufacturing.
- Magnesium stearate is widely used in cosmetics, foods, and pharmaceutical formulations.
- Used in barrier creams
- It can be used as an anti caking agent in food applications

Advantages

- Proper hopper flow can be achieved .
- Minimal ejection force required
- Efficiency in production could be achieved.
- Life of Dies and punches improves.

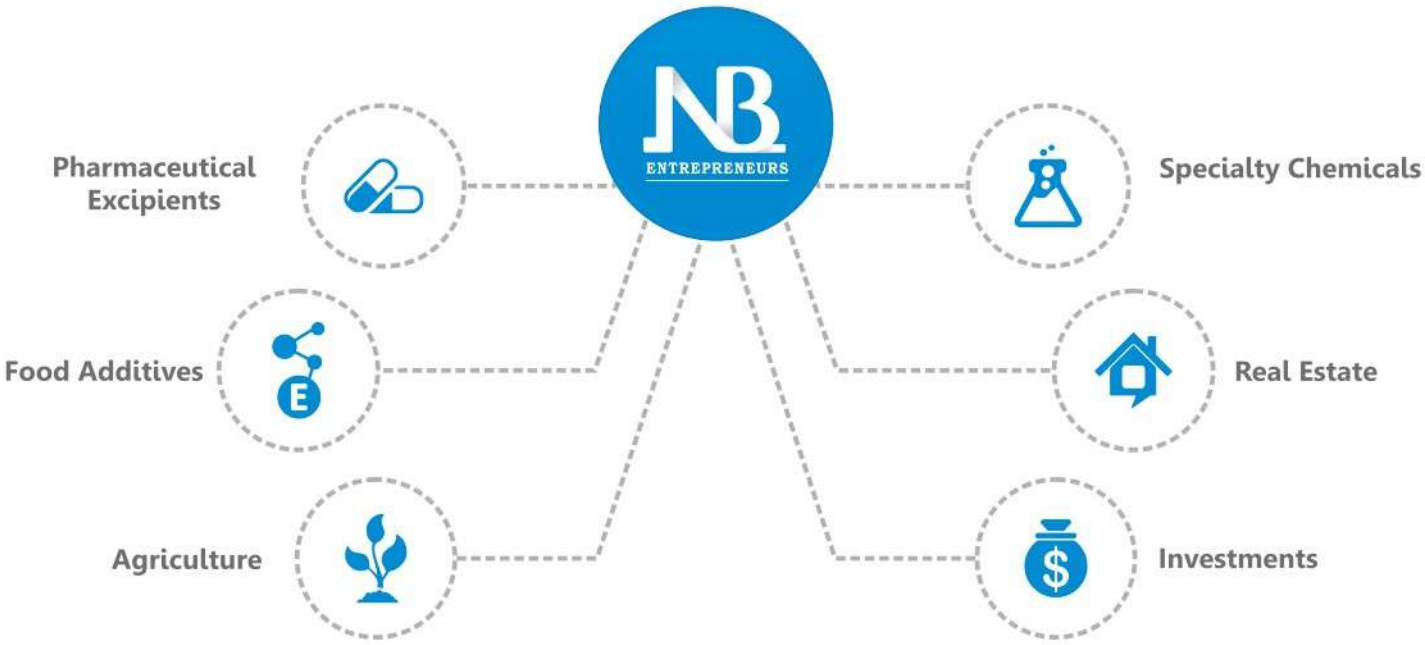
Unique Features

- Increases tablet friability
- Surface area > 10m2/gm .

Pharmacopoeial Compliance

- Indian Pharmacopoeia - I.P.
- British Pharmacopoeia - B.P.
- European Pharmacopoeia - Ph.Eur.
- United States Pharmacopoeia - U.S.P.
- Japanese Pharmacopoeia - J.P.

MAGLUBE™



Our Product Range:

- **SANCEL®** – MCC: 101, 102, 112, 200, 301, 302
- **STARCEL®** – Silicified MCC: 50, 90, HD90, 90LM
- **SOLUCEL®** – Croscarmellose Sodium
- **MAGLUBE®** – Magnesium Stearate
- **SUPERCEL® F** – Food Fibers
- **SUPERCEL® D** – Industrial Applications

NB
ENTREPRENEURS
A GMP & ISO Certified Company

M: +91 99700 58937
E: sales@nb-cellulose.com

NB ENTREPRENEURS
Uppalwadi, Near Industrial Estate
Kamptee Road, Nagpur – 440 026
Maharashtra, India

Ph: +91 712 2640062 / 63
W: www.nb-cellulose.com

Acclaimed Distribution

ENTREPRENEURS

A GMP & ISO Certified Company

Committed | Consistent | Credible

Near Industrial Estate Upplawadi,
Kamptee Road,Nagpur - 440 026
Maharashtra, INDIA

P : +91 712 2640062 / 63
M : +91 99700 58937
M: +91 96079 46405

sales@nb-cellulose.com

www.nb-cellulose.com