

SAFETY DATA SHEET (MSDS)

Beeswax Substitute

Revision: 2026

SECTION 1 – Identification

INCI Name: Cetyl Palmitate (and) Paraffin (and) Glyceryl Stearate

CAS Numbers:

- 540-10-3
- 8002-74-2
- 31566-31-1

Product Type: Cosmetic emulsifier / beeswax substitute

Recommended Use:

- Creams
- Ointments
- Emulsions
- Fatty make-up products
- Stick preparations

For industrial and cosmetic formulation use only.

SECTION 2 – Hazard Identification

Classification according to Regulation (EC) No 1272/2008 (CLP):

Not classified as hazardous.

Hazard Statements: None

Precautionary Statements: None

PBT / vPvB: Not applicable

No known significant hazards under normal conditions of use.

SECTION 3 – Composition / Information on Ingredients

Mixture of:

- Cetyl Palmitate
- Paraffin
- Glyceryl Stearate

Contains no components classified as hazardous under CLP regulation.

SECTION 4 – First Aid Measures

Skin Contact:

Wash with water and soap.

Eye Contact:

Rinse immediately with plenty of water. Seek medical advice if irritation persists.

Inhalation:
Move to fresh air.

Ingestion:
Do not induce vomiting. Seek medical attention if necessary.

Most Important Symptoms:
None known.

SECTION 5 – Firefighting Measures

Suitable extinguishing media:

- Water spray
- Carbon dioxide (CO₂)

Special Hazards:
Combustion may produce smoke and carbon oxides.

Protective Equipment for Firefighters:
Use self-contained breathing apparatus.

Flash Point: >200°C

SECTION 6 – Accidental Release Measures

Personal Precautions:
Use standard protective equipment.

Environmental Precautions:
Prevent entry into drains and waterways.

Cleaning Method:
Collect mechanically and wash area with water.

SECTION 7 – Handling and Storage

Handling:
Avoid contact with eyes and skin.
Follow good industrial hygiene practice.

Storage Conditions:
Store in original sealed container.
Protect from moisture.
Store below 35°C.

Shelf Life:
Minimum 18 months in unopened original packaging.

SECTION 8 – Exposure Controls / Personal Protection

No occupational exposure limits established.

Normal handling does not require special protective equipment.

Eye Protection: Not required under normal use.

Hand Protection: Not required under normal use.

Respiratory Protection: Not required under normal use.

SECTION 9 – Physical and Chemical Properties

Appearance: White to ivory flakes

Odor: Odorless

Melting / Solidification Point: 46–51°C

Flash Point: >200°C

Water Solubility: Insoluble

Oil Solubility: Soluble

Saponification Value: 88–98

Iodine Value: Max 1

Acid Value: Max 5.0

SECTION 10 – Stability and Reactivity

Stable under normal conditions.

No hazardous reactions expected.

No hazardous decomposition products known.

SECTION 11 – Toxicological Information

Acute Toxicity (Oral, Rat):

LD50 > 2000 mg/kg

No known irritant or sensitizing effects under normal use.

SECTION 12 – Ecological Information

No specific environmental hazard identified.

Avoid uncontrolled release to environment.

SECTION 13 – Disposal Considerations

Dispose according to local regulations.

Recover or recycle where possible.

SECTION 14 – Transport Information

Not classified as dangerous for transport (ADR, IMDG, IATA).

SECTION 15 – Regulatory Information

Complies with:

- REACH Regulation (EC) No 1907/2006
- CLP Regulation (EC) No 1272/2008

Not subject to hazard labeling.

SECTION 16 – Disclaimer

This information is based on supplier documentation and current knowledge. It does not constitute a guarantee of specific properties and does not establish a legally binding contractual relationship.