



Material safety data sheet
According to EU Regulation 1907/2006 in the current version
Lipophilic Cosmetic Starch

1. Identification of the substance/mixture and company

Trade name: Lipophilic cosmetic starch
INCI: Corn starch modified
CAS No. : -
EINESCS No. : -
REACH pre-registration No. : -
Utilization: Raw material for cosmetic or professional use
Supplier company identification: **Elemental SRL**, Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania
Tel/Fax: +40259-436.755, www.elemental.eu
Emergency: RO: număr național pentru cazuri de urgență: 021 3183606 Institutul de Sănătate Publică București.
International emergency number: +49 180 2273-112

2. Hazards Identification

2.1 Classification of the substance:

According to regulation 1272/2008: not hazardous
According to directive 67/548: not hazardous

2.2 Label elements:

According to regulation 1272/2008:
Hazard phrases: -
Signal word: -
Pictogram: -

According to directive 67/548:
Risk phrase: -
Safety phrases: -
Pictogram: -

2.3 Other hazards:

The substance does not fulfill the criteria for PBT or vPvB in accordance with REACH VO 1907/2006.

3. Declaration of ingredients

3.1 The product contains the following ingredients:

Substance	CAS	EINECS	Hazard symbols	Percent %
Corn starch modified	-	-	-	100



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4. First aid measures

4.1 Description of first aid measures:

After inhalation: move to fresh air.

After contact with skin: wash with water and soap.

After contact with eyes: clean carefully under running water; If symptoms develop, get medical attention.

After ingestion: treat symptomatically and supportively.

4.2 Most important symptoms and effects, both acute and delayed:

no date available

4.3 Indication of immediate medical attention and special treatment:

no date available

5. Fire fighting measures

5.1 Extinguishing media:

Carbon dioxide (CO₂), foam, dry powder, water spray jet.

5.2 Special hazards arising from the substance or mixture:

Carbon monoxide (CO) can arise at an incomplete burning.

5.3 Advice for firefighters:

none

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Use a dust mask (filter class P3) at strong dust development.

Skin or eye contact may result in a mild irritation.

6.2 Environmental precautions:

Prevent entry into waterways, sewers, basements or confined areas.

6.3 Methods and materials for containment and clean up:

Spills or release should be handled by containment, collection via vacuum or sweeping, then placing material in sealed labeled containers. The spill area should be cleaned with a minimal amount of water, which is collected via an absorbent material, which will then be disposed of with "spilled polymer" notification.

6.4 Reference to other sections:

none



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7. Handling and storage

7.1 Precautions for safe handling:

Avoid deposits especially on hot surfaces, open flames, electrostatic charges (possibility of dust explosion).

7.2 Conditions for safe storage, including any incompatibilities:

Keep dry and protect from heat.

7.3 Specific end uses:

Cosmetic and professional use.

8. Exposure controls / personal protection

8.1 Control parameters:

National exposure limit: MAC: none

8.2 Exposure controls:

Personal protective equipment: use a dust mask (filter class P3) at strong dust development.

9. Physical and chemical properties

9.1 Information on physical and chemical properties

Appearance: powder

Color: white to yellowish

Odor: odorless

Relative density (d 20 / 20): NA

Bulk density approx. 600 g/l

Refractive index at 20°C: NA

Optical rotation (°): NA

Flash point: NA

Odor threshold: NA

pH: approx. 5,5 (at 100 g/l, near RT)

Melting point / freezing point: NA

Initial boiling point and boiling range: NA

Evaporation rate: NA

Flammability (solid, gas): NA

Upper / lower flammability or explosive limits: NA

Vapor tension: NA

Vapor density: NA

Solubility in water: (20 °C) insoluble

Partition coefficient: n-octanol / water NA

Auto-ignition temperature: NA

Decomposition temperature: NA

Viscosity: NA

Explosive properties: not explosive

Oxidizing properties: none

9.2 Other information



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None

10. Stability and reactivity

10.1 Reactivity

NA

10.2 Chemical stability

NA

10.3 Possibility of hazardous reactions:

Possibility of dust explosions.

10.4 Conditions to avoid:

Avoid deposits especially on hot surfaces, open flames, electrostatic charges.

10.5 Incompatible materials

none anticipated

10.6 Hazardous decomposition products:

In case of burning: carbon dioxide (CO₂), carbon monoxide (CO) can be released.

11. Toxicological information

11.1 Information on toxicological effects:

Acute oral toxicity: LD50 5000mg/kg

Skin corrosion/irritation: Slightly irritating

Serious eye damage/irritation: Slightly irritating

Respiratory or skin sensitization: No evidence of sensitization

Germ cell mutagenicity: not determined

Carcinogenicity: not determined

Reproductive toxicity: not determined

STOT – single exposure: not determined

STOT – repeated exposure: not determined

Aspiration hazard: not determined

Toxicokinetics: not determined



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Likely routes of exposure: not determined

Symptoms related to the physical and toxicological characteristics: not determined

Delayed effects: not determined

The product is not toxic.

12. Ecological information

12.1 Toxicity:

no data available

12.2 Persistence and biodegradability:

no data available

12.3 Bioaccumulation potential:

no data available

12.4 Mobility in soil:

not applicable

12.5 Results of the PBT assessment:

not applicable

12.6 Other adverse effects:

not known

13. Disposal considerations

13.1 Waste treatment methods:

SUBSTANCE DISPOSAL: Dispose of in accordance with local regulations.

CONTAINER DISPOSAL: Dispose of in accordance with local regulations.

14. Transport information

14.1 UN number

ADR: -

IMDG: -

IATA: -

Customs Code: -

14.2 UN shipping name

ADR: Not dangerous goods

IMDG: Not dangerous goods



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IATA: Not dangerous goods

14.3 Class of danger for transport

ADR: -

IMDG: -

IATA: -

14.4 Packing group

ADR: -

IMDG: -

IATA: -

Not classified as hazardous under transport regulations (ADR, RID, IATA-DGR, IMDG).

15. Regulatory information

15.1 Safety, Health and Environmental regulations National regulations :

none

Additional national regulations:

none

15.2 Chemical Safety assessment:

A chemical safety assessment has not been carried out for this substance.

16. Additional information

Source of toxicological data (chapter 11): NICNAS Public Report PLC/523 (30.03.2005). There are no toxicological data available for the notified polymer. The toxicological endpoints were submitted for a structurally similar material, 73-8050. The material 73-8050 contains the same protein but the ratio of the reactants is higher (contains 8% Dodecyl succinic anhydride (DDSA) and 2.5% Calcium chloride) compared with the notified polymer.

16.1 Abbreviations:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CLP: Classification, Labeling, Packaging.

DNEL: Derived No Effect Level.

EINECS: European Inventory of Existing Commercial Chemical Substances.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

IMDG: International Maritime Code for Dangerous Goods.

INCI: International Nomenclature of Cosmetic Ingredients.



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LTE: Long-term exposure.

PNEC: Predicted No Effect Concentration.

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

STE: Short-term exposure.

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.

Disclaimer:

This material safety data sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness is given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user's responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environment protection.