



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

1. Identification of the substance/mixture and company

Trade name: Corn strach powder
INCI: Zea mays starch
CAS No. : 9005-25-8
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 or mixture

According to regulation (EC) Nr. 1272/2008 the substance is not classified as dangerous.

2.2 Label elements

n.a.

2.3 Other hazards

Fine dust of this product can form explosive mixtures with air.

3. Declaration of ingredients

3.1 The product contains the following ingredients

Substance	CAS	EINECS	Hazard symbols	Percent %
Native maize starch	9005-25-8	232-679-6	-	100

4. First aid measures

4.1 Description of first aid measures

In case of inhalation of dust: Provide fresh air. Consult a physician, if symptoms such as indisposition, cough or irritation occur.

In case of skin contact: After contact with skin, wash with soap and water. Change contaminated, saturated clothing.

In case of eye contact: In case of contact with eyes flush with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult a physician if symptoms occur.



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In case of ingestion: Rinse mouth with cold water and then drink plenty of water. Avoid vomiting. Consult a physician if symptoms occur.

4.2 Most important symptoms and effects, both acute and delayed

None.

4.3 Indication of any immediate medical attention and special treatment needed

None.

5. Fire fighting measures

5.1 Extinguishing media

Suitable extinguishing media: CO₂, foam, dry powder, water spray.

5.2 Special hazards arising from the substance or mixture

Fire may cause evolution of CO₂.

5.3 Advice for firefighters

Special protective equipment: Wear a self-contained breathing apparatus and chemical protective clothing.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Restricted access to contaminated areas, until cleaning work is finished. Wear personal protection equipment. Provide adequate ventilation. Do not breathe dust. Avoid formation of dust – danger of dust explosion.

6.2 Environmental precautions

Do not allow to enter into drains/surface water/groundwater.

6.3 Methods and material for containment and cleaning up

Clean dry. Avoid generation of dust. Wash away remaining material carefully with plenty of water. Treat the recovered material as prescribed in the section on waste disposal (section 13).

6.4 Reference to other sections

See protective measures under section 8 and disposal under section 13.

7. Handling and storage

7.1 Precautions for safe handling

Provide adequate ventilation. Keep containers tightly closed. Avoid generation of dust – do not breathe dust. Observe protective measures and safety instructions.

7.2 Conditions for safe storage, including any incompatibilities

Precautions against fire and explosion: Keep away from sources of ignition – No smoking. Take precautionary measures against static discharge.



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Requirements on storage and packaging/containers: Keep dry. Protect from heat. Provide adequate ventilation. Keep in the original container.

Incompatibility with materials
No information available.

Conditions of storage
Room temperature.

7.3 Specific end use(s)
Food and cosmetics.

8. Exposure controls / personal protection

8.1 Control parameters

None.

8.2 Exposure control

General protection and hygiene measures: When handling with chemical substances observe usual precautionary measures. When using do not eat and drink. Wash hands after working with product. Do not breathe dust. Change contaminated, saturated clothing and wash before reuse.

Respiratory protection: Wear dust mask during formation of dust or when occupational exposure limits are exceeded.

Hand protection: n.a.

Eye protection: Close-fitting protective goggles in case of dust.

Body protection: Standard working clothes.

Environment exposure control measures: Do not allow to enter into drains/surface water/groundwater.

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

Refractive index at 20°C: NA

Optical rotation (°): NA

Flash point: NA

Odor threshold: NA

pH: approx. 6 (10 % d.b., 20°C)

Melting point / freezing point: NA

Initial boiling point and boiling range: NA



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Evaporation rate: NA
Flammability (solid, gas): not flammable
Upper / lower flammability or explosive limits: NA
Vapor tension: NA
Vapor density: NA
Solubility in water: (20 °C) colloiddally soluble after cooking
Partition coefficient: n-octanol / water NA
Auto-ignition temperature: Not self-igniting
Decomposition temperature: NA
Viscosity: NA
Explosive properties: The product itself is not explosive, but fine dust can form explosive mixtures with air.
Oxidizing properties: none

9.2 Other information

None

10. Stability and reactivity

10.1 Reactivity

No hazardous reactions known if used as prescribed.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Danger of dust explosion.

10.4 Conditions to avoid

Avoid generation of dust. Keep away from sources of ignition.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No decomposition if used as prescribed.

11. Toxicological information

11.1 Information on toxicological effects

Native potato starch is classified as food.

LD50 values of single components relevant for classification:

n.a.

Irritant and corrosive effects:

n.a.



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Sensitization:

No sensitization expected.
Cancerogenicity.

The product does not contain substances in a concentration equal or higher than 0.1% which are listed as carcinogens by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP) or the American Conference of Governmental Industrial Hygienists (ACGIH).

Mutagenicity:

The product does not contain substances in a concentration equal or higher than 0.1% which are classified as mutagens.

Reproductive toxicity:

The product does not contain substances in a concentration equal or higher than 0.1% which are classified as toxic for reproduction.

Other information:

The product was classified on the basis of the calculation procedure of the CLP Regulation (EC) 1272/2008 Annex I.

12. Ecological information

12.1 Toxicity

Ecotoxicity studies have not been conducted on this product. The product was classified on the basis of the calculation procedure of the CLP Regulation (EC) 1272/2008.

Aquatic Toxicity of ingredients:
n.d.

12.2 Persistence and degradability

Biodegradability is expected.

12.3 Bioaccumulative potential

Bioaccumulation is not expected.

12.4 Mobility in soil

n.a.

12.5 Results of PBT and vPvB assessment

n.a.

12.6 Other adverse effects

Do not allow to enter into drains/surface water/groundwater. The substance is not anticipated to pose any environmental hazard.

13. Disposal considerations



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13.1 Waste treatment methods

Any disposal practice must be in compliance with all local and national laws and regulations. Customers are advised to check their local legislation governing the disposal of waste materials. If this substance becomes a waste, the final user must define and assign the appropriate European Waste Catalogue code. Use only authorized contractors Do not allow to enter into drains/surface water/groundwater.

13.2 Uncleaned packaging

Recommendation: After complete emptying and cleaning, send to be reconditioned or recycled.

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
IATA: Not dangerous goods

14.3 Class of danger for transport

ADR: -
IMDG: -
IATA: -

14.4 Packing group

ADR: -
IMDG: -
IATA: -

15. Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Safety Data Sheet according to REACH – Regulation (EC) No. 1907/2006.

The product was classified on the basis of the calculation procedure of the CLP Regulation (EC) 1272/2008 (Annex 1).

Registration of starch:

Starch is exempt from registration according to REACH Regulation (EC) No. 1907/2006 Annex IV.

15.2 Chemical safety assessment

n.a.

16. Additional information



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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.
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.