

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: NATIVE CORN STARCH
(FOOD GRADE, INDUSTRIAL GRADE)

MOLECULAR WEIGHT : $(C_6H_{10}O_5)_n$
CAS # : 9005-25-8

For emergency & technical information : + 90 322 503 41 46

2. COMPOSITION/INFORMATION ON INGREDIENTS:

100 % corn starch

3. HAZARDS IDENTIFICATION

Inhalation may cause coughing and sneezing
Skin contact is not known to be hazardous to health.
Eye contact may cause minor irritation.
Ingestion is not expected to be a health hazard.
No adverse chronic effects expected
Not reactive.
Do not have corrosive effects.

4. FIRST-AID MEASURES

Eye contact: not available effect, rinse with water for 15 minutes
Skin contact: not available effect, wash effected area with water
Inhalation: not available effect, remove to fresh air. Call physician as if needed.
After first aid if there is a continuous effect, call physician.

5. FIRE-FIGHTING MEASURES

Flammability of the product: Easily combustible
Auto-Ignition Temperature: 380°C
Flash Point: Not available: 430 °C
Products of combustion: CO, CO₂
Fire fighting media and instructions: water, CO₂ or dry chemical.
Special remarks on fire fighting: In the event of a fire wear full protective clothing
Unusual fire and explosion hazards: Risk of dust explosion

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6. ACCIDENTAL RELEASE MEASURES

Do not allow dust occurrence. Do not inhale. In case of inhalation respiration system functions may disturb.

Clean effected area. Do not allow increase in dust occurrence.

7. HANDLING AND STORAGE

Keep in normal temperature. Keep away dust from storage. Store in a dry place, away from sun light, temperature and heat. Store away from all kinds of food staff.

Store dry and tightly packed. Storage temperature is not limited. .

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective equipment may use depending on kind and the quantity of the material and company type. For the chemical protection, all protective equipment resistant must be determined by the supplier.

Inhalation protection: necessary in presence of starch dust

Hand protection for full contact:

Glove material	: Nitrile caoutchouc
Surface thickness	: 0, 11 mm
Effect time	: >480 min.

Wash hands after product contact for industrial usage.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state and appearance	: White dust
Odor	: Not available
Taste	: Slightly sweet
Color	: White
Boiling point	: Not available
Melting point	: Not available
Critical temperature	: Not available
Flash point	: Not available
pH	: 5,0-7,0 (20g/l in water, 25°C)
Solubility	: 50g/l (90°C water)
Density	: Not Available
Dependent density	: ≈300kg/m ³

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10. STABILITY AND REACTIVITY

Stability	: The product is stable
Instability temperature	: Not available
Instable circumstances	: Not available
Incompatibility with various substance	: Strong oxidizing agents
Corrosivity	: Not available
Reactivity remark	: Strong oxidizing agents
Polymerization	: No
Additional information	: Dust explosion may occur

11. TOXICOLOGICAL INFORMATION

There is no available quantitative data about toxicity.

Slightly corrosion may occur after skin contact

Basic dust can cause respiration system function disorder so keep away from starch dust. No toxic effects expected under proper usage

12. ECOLOGICAL INFORMATION

Ecotoxicity effect is not available

Easily degrade biologically

BOD and COD are not available.

No ecological problems are expected when the product used properly.

13. DISPOSAL CONSIDERATIONS

Package must be exposed or recycled under control of local regulations.

14. TRANSPORT INFORMATION

14.1 UN number

ADR	: Not regulated as a dangerous good
RID	: Not regulated as a dangerous good
IMDG	: Not regulated as a dangerous good
IATA	: Not regulated as a dangerous good

14.2 UN proper shipping name

ADR	: Not regulated as a dangerous good
RID	: Not regulated as a dangerous good
IMDG	: Not regulated as a dangerous good
IATA	: Not regulated as a dangerous good

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14.3 Transport hazard class (es)

ADR	: Not regulated as a dangerous good
RID	: Not regulated as a dangerous good
IMDG	: Not regulated as a dangerous good
IATA	: Not regulated as a dangerous good

14.4 Packing group

ADR	: Not regulated as a dangerous good
RID	: Not regulated as a dangerous good
IMDG	: Not regulated as a dangerous good
IATA	: Not regulated as a dangerous good

14.5 Environmental hazards

ADR	: Not regulated as a dangerous good
RID	: Not regulated as a dangerous good
IMDG	: Not regulated as a dangerous good

15. REGULATORY INFORMATION

-No data available

16. OTHER INFORMATION

This form is prepared at June 2020.

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