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Safety Data Sheet
Potato Dextrin

Ref.no.: 125368, Version 05, issued March, 01 2015, valid till March 01, 2018.

1. Identification of product and company

Product name: Potato Dextrin

Registration number: This product is exempted from REACH registration obligations.

Intended use: Binding, thickening or fixation agent for technical purposes.

Supplier: PRO Chemical & Dye
126 Shove Street
Fall River, MA 02724

Emergency numbers: 800-255-3924 ChemTel. (United States)
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2. Hazard identification

Hazard classification: This product is not classified as dangerous for health or environment according to EC criteria.

Label elements: None assigned

Other hazards: Low pH in aqueous solution can be irritating to skin and eyes. Airborne particles during handling create risks for dust explosions and should be minimized through the use of good working practices. See section 7 for suggested handling and engineering controls.

3. Composition/information of ingredients

Chemical characterization: Dextrin; CAS nr.: 9004-53-9

Components: The product does not contain substances in amounts resulting in health or environmental hazard classification according to the criteria in the respective EU Directives and Regulations.

4. First aid measures

General information: Acute or delayed adverse effects during normal use are not known. However if adverse health effects arise, seek medical advice.

Inhalation: Supply fresh air. Seek medical advice in case of breathing complaints.
Ingestion: Rinse mouth and throat thoroughly with water. Drink water.

Eye contact: Remove contact lenses. Rinse open eyes with plenty of water for at least 10 minutes. Seek medical advice if symptoms persist.

Skin contact: Wash skin with plenty of water.

5. Fire fighting measures

Extinguishing agents: Powder, foam or water fog are suitable.

Exposure hazards: The decomposition products are for the most part carbon dioxide, carbon monoxide and water.

Protective equipment: Wear self-contained respiratory protective device and protective clothing.

6. Accidental release measures

Personal precautions: Avoid formation of dust. Minimize direct contact with skin or eyes and prevent inhalation.

Environmental precautions: Do not empty into drains, surface water or ground water.
Methods for cleaning up: Sweep up in dry form or use explosion proof vacuum cleaning. Avoid formation of dust. Wet material can form slippery surface.

7. Handling and storage

Handling: Prevent formation of dust. Avoid dust deposits. Clean working area on regularly base.
Take precautions against dust explosions by using equipment which is designed in compliance with the EU ATEX rules. All handling equipment must be properly grounded. Keep away from ignitions sources.
Extreme local conditions like high temperature and/or low humidity may result in higher risk for dust explosion.

Storage: Keep cool and dry in closed packaging.

8. Exposure controls/personal protection

Exposure Limit Values: Referring to Starch (9005-25-8): Respirable 4 mg/m3, total inhalable 10 mg/m3 (TWA 8 h; EH40/2005 Workplace exposure limits).

Respiratory protection: In nuisance dusty conditions breathing protection is recommended (Filter FFP2).

Hand protection: Protective gloves.

Eye protection: Safety glasses with side shields.

Skin protection: Normal working clothing.

Environmental exposure control: Prevent uncontrolled release into the environment; no chemical safety report required.

9. Physical and chemical properties

Appearance: White or slightly yellow powder
Odor: Slight specific
pH: -2.5 (350 g/l water)
Solubility in water: Partially soluble in cold water.

Dust cloud ignition hazard
Minimal Ignition Energy (MIE): >100 mJ
Minimal Ignition Temperature (MIT): 300-500·C
Dust Explosion Constant (Kst): 50 - 200 bar.m/s
Dust Explosion Class, ST: 1
Explosion overpressure (Pmax): 6 - 8 bar
Lowest explosion limit (LEL): 30 - 60 g/m3

Dust layer ignition hazard
Layer Ignition Temperature (LIT): 275-400 ·C
Combustibility Class (CC): 1-2
Onset temperature for thermal instability: < 200·C

10. Stability and reactivity

Stability: Product does not decompose under foreseeable conditions of use.
Conditions to avoid: Avoid proximity of ignition sources.

Materials to avoid: Avoid contact with strong oxidizing agents.

Hazardous decomposition products: In case of fire, the decomposition fume contains for the most part carbon dioxide (C02), carbon monoxide (CO) and water (H20).

11. Toxicological information

Acute toxicity: LD50 oral: >2000 mg/kg (not toxic)

Corrosive and irritant effects: No corrosive or irritating effects known.

Sensitizing effects: No sensitizing effects known.

Long term effects: No long term effects known.

12. Ecological information

Ecotoxicity: EC50 Daphnia >100 mg/l (not toxic)
EC50 Bacteria >100 mg/l (not toxic)

Degradability: Inherently or readily biodegradable. Ultimately, this product decomposes completely into carbon dioxide, water and minerals.

Bioaccumulation: Not expected (log Pow: <2)

Water hazard class (WGK): 1: low hazard to waters (Self assessment)

13. Disposal considerations

Recommendation: Dispose of in compliance with local or national regulations governing the disposal of waste.

European Waste Catalogue (EWC): 070799 Waste from organic chemical processes, not otherwise specified.

14. Transport information

Transport classification: Not classified as dangerous goods for road transport (RID/ADR), sea transport (IMDG) and air transport (IATA/ICAO).

15. Regulatory information

Classification Labeling and Packaging: Based upon the chemical composition, available (read across) data and exposure experience, this product is not classified as dangerous according to the European Commission directives 67/548/EEC (DSD) or 1999/45/EC (DPD) (including all adaptation directives), the UN Globally Harmonized System of classification and labeling of chemicals (GHS) and the EU Regulation No 127212008 on Classification, Labeling and Packaging (CLP) of substances and mixtures (EU-GHS).

REACH regulation 1907/2006/EC: This product is exempted from registration according to the provisions in Article 2 of REACH Regulation 1907/2006/EC. As consequence a Chemical Safety Assessment is not required.
This product is no subject to authorization as imposed under title VII or restriction as imposed under title VIII.

16. Other information

List of R-phrases: None assigned

Revision information: Revised format. Changes in all sections.
This Safety Data Sheet has been compiled in accordance with Annex II of Regulation (EG) No. 1907/2006 (REACH) as amended by Regulation (EG) No. 453/2010.

Chain communication: The recipient of this SDS is hereby strongly advised to inform its customer, who will be using this product, of the information contained herein, preferably by providing such customer with of a copy of this SDS.

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