

**MATERIAL SAFETY DATA SHEET (MSDS)****AMYLOPECTIN****1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE**

Product name : Amylopectin  
CAS-No: 9037-22-3  
Product Coad: A0026500500

**2. HAZARDS IDENTIFICATION****Classification of the substance or mixture**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.  
Label elements Not a hazardous substance or mixture.

Other hazards This substance/mixture contains no components considered to be either persistent, bioaccumula

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Substances**

CAS-No. : 9037-22-3

EC-No. : 232-911-6

No components need to be disclosed according to the applicable regulations.

**4. FIRST AID MEASURES****Description of first aid measures**

**If inhaled** If breathed in, move person into fresh air. If not breathing, give artificial respiration.

**In case of skin contact** Wash off with soap and plenty of water.

**In case of eye contact** Flush eyes with water as a precaution.

**If swallowed** Never give anything by mouth to an unconscious person. Rinse mouth with water.

**Most important symptoms and effects, both acute and delayed**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**Indication of any immediate medical attention and special treatment needed** no data available

**5. FIREFIGHTING MEASURES****Extinguishing media**

**Suitable extinguishing media** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special hazards arising from the substance or mixture** Nature of decomposition products not known.

**Advice for firefighters** Wear self contained breathing apparatus for fire fighting if necessary.

**Further information** no data available

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

Avoid dust formation. Avoid breathing vapors, mist or gas.

**Environmental precautions** Do not let product enter drains.

**Methods and materials for containment and cleaning up** Sweep up and shovel. Keep in suitable, closed containers for disposal.

**Reference to other sections** For disposal see section 13.

**7. HANDLING AND STORAGE****Precautions for safe handling**

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

**Conditions for safe storage, including any incompatibilities**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

**Specific end uses** no data available

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**Control parameters**
**Components with workplace control parameters**
**Exposure controls**

**Appropriate engineering controls** General industrial hygiene practice.

**Personal protective equipment**
**Eye/face protection**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

**Immersion protection**

Material: Nitrile rubber

Minimum layer thickness: 0,11 mm

Break through time: > 480 min

Material tested: Dermatrill® ( Z677272, Size M)

**Splash protection**

Material: Nitrile rubber

Minimum layer thickness: 0,11 mm

Break through time: > 30 min

Material tested: Dermatrill® ( Z677272, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 873000, test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an Industrial Hygienist familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

**Body Protection**

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection**

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**9. PHYSICAL AND CHEMICAL PROPERTIES**
**Information on basic physical and chemical properties**

- a) Appearance Form: powder Colour: white, off-white
- b) Odour No data available
- c) Odour Threshold No data available Sigma - 10120
- d) pH No data available
- e) Melting point/freezing point No data available
- f) Initial boiling point and boiling range No data available
- g) Flash point No data available
- h) Evaporation rate No data available
- i) Flammability (solid, gas) No data available
- j) Upper/lower flammability or explosive limits No data available

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- k) Vapour pressure No data available
- l) Vapour density No data available
- m) Relative density No data available
- n) Water solubility No data available
- o) Partition coefficient: noctanol/water No data available
- p) Auto-ignition temperature No data available
- q) Decomposition temperature No data available
- r) Viscosity No data available
- s) Explosive properties No data available
- t) Oxidizing properties No data available

**10. STABILITY AND REACTIVITY**

- Reactivity** no data available
- Chemical stability** no data available
- Possibility of hazardous reactions** no data available
- Conditions to avoid** no data available
- Incompatible materials** Strong oxidizing agents
- Hazardous decomposition products** Other decomposition products - no data available

**11. TOXICOLOGICAL INFORMATION**
**Information on toxicological effects**

- Acute toxicity** no data available
- Skin corrosion/irritation** no data available
- Serious eye damage/eye irritation** no data available
- Respiratory or skin sensitization** no data available
- Germ cell mutagenicity** no data available
- Carcinogenicity**  
 IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
- Reproductive toxicity** no data available
- Specific target organ toxicity - single exposure** no data available
- Specific target organ toxicity - repeated exposure** no data available
- Aspiration hazard** no data available
- Potential health effects**
- Inhalation** May be harmful if inhaled. May cause respiratory tract irritation.
- Ingestion** May be harmful if swallowed.
- Skin** May be harmful if absorbed through skin. May cause skin irritation.
- Eyes** May cause eye irritation.
- Signs and Symptoms of Exposure**  
 To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
- Additional Information** RTECS: Not available

**12. ECOLOGICAL INFORMATION**

- Toxicity** no data available
- Persistence and degradability** no data available
- Bioaccumulative potential** no data available
- Mobility in soil** no data available
- Results of PBT and vPvB assessment** no data available
- Other adverse effects** no data available

**MATERIAL SAFETY DATA SHEET (MSDS)****AMYLOPECTIN****13. DISPOSAL CONSIDERATIONS****Waste treatment methods**

**Product:** Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging**

Dispose of as unused product.

**14. TRANSPORT INFORMATION**

Not regulated

**15 - REGULATORY INFORMATION**

Safety, health and environmental regulations/legislation specific for the substance or mixture This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Chemical safety assessment For this product a chemical safety assessment was not carried out

**16. Other Information**

**Product Use:** Laboratory Reagent.

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

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**End of document**