

## Material Safety data sheet according to 1907/2006/EC, Article 31

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

- **Trade name:** di-Sodium hydrogen phosphate dodecahydrate
- **Article number:** 51-1625-0519
- **1.2 Relevant identified uses of the substance or mixture and uses advised against.** No further relevant information available.
- **Application of the substance / the preparation:** General Chemical Reagent
- **1.3 Details of the supplier of the safety data sheet Supplier:**  
Oxford Instruments NanoAnalysis  
Halifax Rd, High Wycombe HP12 3SE  
United Kingdom  
Tel: +44 (0) 1494 442255
- Further information obtainable from: Technical Support

### SECTION 2: Hazards Identification

#### 2.1 Classification of the substance or mixture:

- Classification according to Regulation (EC) No 1272/2008  
The substance is not classified, according to the CLP regulation.

#### 2.2 Label elements:

- Labelling according to Regulation (EC) No 1272/2008 Void
- Hazard pictograms Void
- Signal word Void
- Hazard statements Void

#### 2.3 Other hazards:

- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

### SECTION 3: Composition/information on ingredients

- **3.1 Chemical characterisation:** Substances
- CAS No. Description di-Sodium hydrogen phosphate dodecahydrate

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures:

- **General information:** No special measures required.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Generally the product does not irritate the skin.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: If symptoms persist consult doctor.

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

No further relevant information available.

#### 4.3 Indication of any immediate medical attention and special treatment needed:

No further relevant information available

**Trade name: di-Sodium hydrogen phosphate dodecahydrate**

**SECTION 5: Firefighting Measures**

- **5.1 Extinguishing media**
- Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture:** No further relevant information available.
- **5.3 Advice for firefighters:** Protective equipment: No special measures required.

**SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment & emergency procedures**  
 Not required.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:** Pick up mechanically.
- **6.4 Reference to other sections**  
 See Section 7 for information on safe handling.  
 See Section 8 for information on personal protection equipment.  
 See Section 13 for disposal information

**SECTION 7: Handling and storage**

- **7.1 Precautions for safe handling:** No special measures required.
- Information about fire - and explosion protection: No special measures required.
- 7.2 Conditions for safe storage, including any incompatibilities
- **Storage:**
- Requirements to be met by storerooms and receptacles: No special requirements.
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions: None.
- 7.3 Specific end use(s) No further relevant information available

**SECTION 8: Exposure controls/personal protection**

Additional information about design of technical facilities: No further data; see item 7.

- **8.1 Control parameters:**
- Ingredients with limit values that require monitoring at the workplace: Not required.
- Additional information: The lists valid during the making were used as basis.

- **8.2 Exposure controls:**
- Personal protective equipment: • General protective and hygienic measures:  
 The usual precautionary measures are to be adhered to when handling chemicals.
- Respiratory protection: Not required

• **Protection of hands:** Protective Gloves  
 The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

- Penetration time of glove material  
 The exact break through time has to be found out by the manufacturer of the protective gloves and **has to be observed.**
- **Eye protection: Not required.**

- 7.3 Specific end use(s) No further relevant information available

**Trade name: di-Sodium hydrogen phosphate dodehydrate**

**SECTION 9: Physical and chemical properties**

**• 9.1 Information on basic physical and chemical properties**

- General Information: Appearance: Form: Solid. Colour: White
- Odour: Characteristic Odour threshold: Not determined. pH-value: 9-9.4

**Change in condition:**

Melting point/freezing point: 35 °C

Initial boiling point and boiling range: Undetermined.

- Flash point: Not applicable. • Flammability (solid, gas): Product is not flammable.
- Decomposition temperature: Not determined. • Auto-ignition temperature: Not determined.
- Explosive properties: Product does not present an explosion hazard.
- Explosion limits: Lower: Not determined. Upper: Not determined.
- Vapour pressure: Not applicable. • Density at 20 °C: 1.52 g/cm<sup>3</sup>
- Relative density Not determined. • Vapour density Not applicable.
- Evaporation rate Not applicable. • Solubility in / Miscibility with water at 20 °C: 218 g/l
- Partition coefficient: n-octanol/water: Not determined.
- Viscosity: Dynamic: Not applicable. Kinematic: Not applicable.

• 9.2 Other information No further relevant information available

**SECTION 10: Stability and reactivity**

- 10.1 Reactivity No further relevant information available.
- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided:  
No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known

**SECTION 11: Toxicological information**

- 11.1 Information on toxicological effects
- Acute toxicity Based on available data, the classification criteria are not met.
- Skin corrosion/irritation Based on available data, the classification criteria are not met.
- Serious eye damage/irritation Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
- Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity Based on available data, the classification criteria are not met.
- Reproductive toxicity Based on available data, the classification criteria are not met.
- STOT-single exposure Based on available data, the classification criteria are not met.
- STOT-repeated exposure Based on available data, the classification criteria are not met.
- Aspiration hazard Based on available data, the classification criteria are not met

**SECTION 12: : Ecological information**

- 12.1 Toxicity
- Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.

**Trade name: di-Sodium hydrogen phosphate dodehydrate**

**SECTION 12: Continued...**

- 12.4 Mobility in soil No further relevant information available.
- Additional ecological information:
- **General notes:**  
 Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
 Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- 12.5 Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.
- 12.6 Other adverse effects No further relevant information available

**SECTION 13: Disposal Considerations**

- 13.1 Waste treatment methods
- Recommendation Smaller quantities can be disposed of with household waste.
- Recommendation: Disposal must be made according to official regulations.

**SECTION 14: Transport Information**

- 14.1 UN-Number
- ADR, IMDG, IATA Void
- 14.2 UN proper shipping name
- ADR, IMDG, IATA Void
- 14.3 Transport hazard class(es)
- ADR, ADN, IMDG, IATA
- Class Void
- 14.4 Packing group
- ADR, IMDG, IATA Void
- 14.5 Environmental hazards: Not applicable.
- 14.6 Special precautions for user Not applicable.
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable.
- UN "Model Regulation": Void

**SECTION 15: Ecological information**

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Directive 2012/18/EU
- Named dangerous substances - ANNEX I Substance is not listed.
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

This information is based on our present knowledge and should assist the user with the safe handling of this material when properly applied. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Department issuing SDS: Sales department
- Contact: [ecommerceteam@estore.oxinst.com](mailto:ecommerceteam@estore.oxinst.com)