

## 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

**Product Identifier:**

**Substance name:** Disodium hydrogen orthophosphate  
**CAS-No:** 7558-79-4  
**EC-No:** 231-448-7

**Relevant identified uses of the substance or mixture and uses advised against:**

**Use of the substance/mixture:** Food additive

**Company name:** Nexchem Ltd  
Unit 3 Barshaw Park  
Leycroft Road  
Leicester  
LE4 1ET  
Tel: 0116 2311130  
24/7 Emergency Tel: 0800 246 1274  
Email: [sales@nexchem.co.uk](mailto:sales@nexchem.co.uk)

## 2. HAZARDS IDENTIFICATION

**Classification of the substance/mixture:**

**Classification (Regulation (EC) No 1272/2008):** Not a hazardous substance or mixture.

**Classification (67/548/EEC, 1999/45/EC):** Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

**Label elements:**

**Labelling (Regulation (EC) No 1272/2008):** Not a hazardous substance or mixture.

**Other hazards:** This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels 0.1% or higher.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Substances:**

**Substance name:** Disodium Hydrogenorthophosphate  
**Chemical name:** Substance

**Hazardous components:** No hazardous ingredients.

**4. FIRST AID MEASURES****Description of first aid measure:**

- General advice:** Show this safety data sheet to the doctor in attendance.
- If inhaled:** Move to fresh air. If symptoms persist, call a physician.
- In case of skin contact:** Take off contaminated clothing and shoes immediately. Wash off with plenty of water. If symptoms persist, call a physician.
- In case of eye contact:** Flush eyes with water as a precaution. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
- If swallowed:** Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

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

- Symptoms:** No information available.
- Risks:** No information available.

**Indication of any immediate medical attention and special treatment needed:**

- Treatment:** For specialist advice physicians should contact the Poisons Information Service.

**5. FIRE-FIGHTING MEASURES****Extinguishing media:**

- Suitable extinguishing media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Special hazards arising from the substance or mixture:**

- Specific hazards during fire-fighting:** Do not use solid water stream as it may scatter and spread fire.

**Advice for fire-fighters:**

- Special protective equipment:** Wear self-contained breathing apparatus for fire-fighting if necessary.
- Further information:** In the event of fire and/or explosion do not breathe fumes.

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

- Personal precautions:** Use personal protective equipment. Ensure adequate ventilation. Evacuate personnel to safe areas.

- Environmental precautions:** Local authorities should be advised if significant spillages cannot be contained. No special environment precautions required.

**Methods and material for containment and cleaning up:**

- Methods for cleaning up:** Sweep up and shovel. Keep in suitable, closed containers for disposal. Clean contaminated floors and objects thoroughly while observing environmental regulations.

- Reference to other sections:** For personal protection see section 8. Treat recovered material as described in the section "Disposal considerations."

## 7. HANDLING AND STORAGE

**Precautions for safe handling:**

**Advice on safe handling:** Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Avoid formation of dust and aerosols.

**Advice on protection against fire and explosion:** Normal measures for preventive fire protection.

**Hygiene measures:** Avoid contact with skin, eyes and clothing.

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

**Requirements for storage areas and containers:** Store in original container. Keep tightly closed. Keep in a dry, cool and well-ventilated place.

**Advice on common storage:** No special restrictions on storage with other products.

**Other data:** Stable under recommended storage conditions.

**Specific end use(s):** For further information, refer to the product technical data sheet.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Control parameters:** Contains no substances with occupational exposure limit values.

**Exposure controls:****Personal protective equipment:**

**Eye protection:** Safety glasses with side shields.

**Hand protection:**

**Remarks:** Polyvinyl alcohol or nitrile- butyl- rubber gloves. The suitability for a specific workplace should be discussed with the producers of the rubber gloves.

**Skin and body protection:** Dust impervious protective suit.

**Respiratory protection:** No personal respiratory equipment normally required.

**Protective measures:** Do not breathe dust. When using do not eat, drink or smoke.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties:**

**Appearance:** Powder

**Colour:** White

**Odour:** Odourless

**pH (10 g/l, 20°C):** 8.8-9.4

**Melting point/range:** >450°C (GLP: yes)

**Boiling point/range:** No data available

**Flash point:** Not applicable

**Flammability (solid, gas):** Not expected to form explosive dust-air mixtures

**Bulk density (20°C):** 550-1,000 kg/m<sup>3</sup>

**Water solubility:** Regulatory information: Not explosive

International transport regulations: Not explosive

**Other information:** No data available.

[cont...]

**10. STABILITY AND REACTIVITY**

**Reactivity:** No dangerous reaction known under conditions of normal use.

**Chemical stability:** The product is chemically stable.

**Possibility of hazardous reactions:**

**Hazardous reactions:** Stable under recommended storage conditions.  
No dangerous reaction known under conditions of normal use.

**Conditions to avoid:** No data available.

**Incompatible materials:**

**Materials to avoid:** None known.

**Hazardous decomposition products:** None known.

**11. TOXICOLOGICAL INFORMATION**

**Information on toxicological effects:**

**Acute toxicity:**

**Skin corrosion/irritation:**

**Product:** Based on available data, the classification criteria are not met.

**Serious eye damage/ eye irritation:**

**Product:** Based on available data, the classification criteria are not met.

**Respiratory or skin sensitisation:**

**Product:** No data available.

**Gem cell mutagenicity:**

**Product:** No data available.

**Carcinogenicity:**

**Product:** No data available.

**Reproductive toxicity:**

**Product:** No data available.

**STOT- single exposure:**

**Product:** No data available.

**STOT- repeated exposure:**

**Product:** No data available.

**Aspiration toxicity:****Product:** No data available.**Further information:****Product:** No data 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:****Product:****Assessment:** This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.**Other adverse effects:****Product:****Additional ecological information:** No data available.**13. DISPOSAL CONSIDERATIONS****Waste treatment methods:****Product:** Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of wastes in an approved waste disposal facility.**Contaminated packaging:** Empty remaining contents. Dispose of as unused product.**14. TRANSPORT INFORMATION****UN number:** Not regulated as a dangerous good.**UN proper shipping name:** Not regulated as a dangerous good.**Transport hazard class(es):** Not regulated as a dangerous good.**Packing group:** Not regulated as a dangerous good.**Environmental hazards:** Not regulated as a dangerous good.**Special precautions for user:** Not applicable.**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:** Not applicable for product as supplied.**15. REGULATORY INFORMATION****Safety, health and environmental regulations/legislation specific for the substance or mixture:****SEVESO II:** Not applicable.**2012/18/EU:** Not applicable.**Chemical safety data sheet:** No data available.

**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

## 16. OTHER INFORMATION

**Legal disclaimer:** The information contained in this SDS does not constitute a risk assessment, and should not replace the user's own assessment of risks as required by other health and safety legislation. This advice is given by Nexchem Ltd who accept no legal liability for it except otherwise provided by law. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.