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**Safety Data Sheet**

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<b>Product Name</b>	<b>Dibasic Sodium phosphate heptahydrate</b>
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**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND  
OF THE COMPANY/UNDERTAKING**

**1.1. Product identification:****Product Description:** Dibasic Sodium phosphate heptahydrate**Synonyms:** Disodium hydrogen phosphate heptahydrate, Sodium phosphate dibasic heptahydrate**CAS-No:** 7782-85-6**EC-No.:** 237-707-0**Molecular Formula:** Na<sub>2</sub>HPO<sub>4</sub>·7 H<sub>2</sub>O**REACH Registration No:** A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.**1.2. Relevant identified uses of the substance or mixture and uses advised against:****Recommended Use:** Laboratory use, pharmaceutical excipient, not for food & drug**1.3. Details of the supplier of the safety data sheet:**

- **Company** **Finar Limited**  
184-186/P, Chacharwadi Vasna,  
Sarkhej-Bavla Highway,  
Ta.: Sanand, Dist.: Ahmedabad-382110, Gujarat, India.  
Web: [www.finarchemicals.com](http://www.finarchemicals.com)
- **E-Mail Address** [safety.finar@aceto.com](mailto:safety.finar@aceto.com); [info.finar@aceto.com](mailto:info.finar@aceto.com)

**1.4. Emergency Telephone Number:**

- For Emergency contact on: +91 - 2717 - 616 717

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**SECTION 2: HAZARDS IDENTIFICATION****2.1. Classification of the substance or mixture:**

Classification according to regulation (EC) No 1272/2008

Skin irritation (Category 2), H315

Eye irritation (Category 2), H319

**2.2. Label Elements:**

Labelling according Regulation (EC) No 1272/2008

**Signal Word: Danger**

**Pictogram**

**• Hazard Statements:**

H319 – Causes serious eye irritation

H315 – Causes Skin irritation

**• Precautionary Statements**

P264: Wash contaminated skin thoroughly after handling.

P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.

P332 + P313: IF SKIN IRRITATION OCCURS: Get medical advice

P337 + P313: IF EYE IRRITATION OCCURS: Get medical advice

P362 + P364: Take off contaminated clothing and wash it before reuse.

**2.3. 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 of 0.1% or higher.

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**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1. Substances:** Dibasic Sodium phosphate heptahydrate

**3.2. Mixtures:**

<b>Component</b>	<b>CAS-No</b>	<b>EC-No.</b>	<b>Weight %</b>
Dibasic Sodium phosphate heptahydrate	7782-85-6	237-707-0	98-100

**SECTION 4: FIRST AID MEASURES**

**4.1. Description of first aid measures:**

- **General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance.

- **If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

- **If Contact with skin**

Wash off with soap and plenty of water for at least 15 minutes and consult a physician.

- **In case of eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

- **If swallowed**

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

No information Available

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

No information Available

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**SECTION 5: FIREFIGHTING MEASURES****5.1. Extinguishing media:**

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

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

During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

**5.3. Advice for firefighters:**

Wear self-contained breathing apparatus for firefighting if necessary.

**5.4 Further Information:**

No information Available

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures:**

Wear respiratory protection. Avoid generating dusty conditions. Ensure adequate ventilation.

Evacuate personnel to safe areas. For personal protection see section 8.

**6.2. Environmental precautions:**

Do not let product enter drains.

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

Vacuum or sweep up material and place into a suitable disposal container.

**6.4. Reference to other sections:**

For disposal see Sections 13.

**SECTION 7: HANDLING AND STORAGE****7.1. Precautions for safe handling:**

Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed.

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

Store in a tightly closed container. Store in a dry, well-ventilated area.

**7.3. Specific end use(s):**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters:****Components with workplace control parameters****8.2. Exposure Controls:****Appropriate Engineering Controls:**

Handle in accordance with good industrial hygiene and safety practice.

Wash hands before breaks and at the end of workday.

**Personal Protective Equipment:****Eye & Face Protection**

Safety Goggles.

**Hand 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.

**Body Protection**

Wear appropriate protective gloves to prevent skin exposure.

**Respiratory Protection**

Required when dusty condition are generated.

Recommended Filter type: Full-Face cartridge mask

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

**Environmental Exposure Controls**

Do not let product enter drains.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties:**

- **Appearance:** White or colorless
- **Physical State:** Solid (Powder)
- **Odor:** Odorless
- **pH:** 9.0 at 0.1 M solution

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- **Melting Point:** 48°C
- **Critical Temperature:** No data available
- **Vapor Pressure:** No data available
- **Relative Vapor Density:** No data available
- **Specific Gravity / Density:** No data available
- **Auto-Ignition Temperature:** No data available
- **Decomposition Temperature:** No data available
- **Volatility:** No data available
- **Bulk Density:** No data available
- **Viscosity, dynamic:** No data available
- **Viscosity, Kinematic:** No data available
- **Water/Oil Dist. Co eff.:** No data available
- **Partition Co-efficient: n-octanol/Water:** No data available
- **Ionicity (in Water):** No data available
- **Lower Explosion Limit:** No data available
- **Upper Explosion Limit:** No data available
- **Boiling Point/Range:** No data available
- **Flash Point:** No data available
- **Water Solubility:** Freely soluble in water; insoluble in alcohol
- **Molecular Weight:** 268.07 g/mol

**9.2. Other information:**

**Molecular Formula:** Na<sub>2</sub>HPO<sub>4</sub> · 7 H<sub>2</sub>O

**SECTION 10: STABILITY AND REACTIVITY****10.1. Reactivity:**

No data available

**10.2. Chemical stability:**

Stable at room temperature in closed containers under normal storage and handling conditions.

**10.3. Possibility of hazardous reactions:**

No data available

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**10.4. Conditions to avoid:**

Incompatible materials, dust generation, excess heat.

**10.5. Incompatible materials:**

Oxidizing agents.

**10.6. Hazardous decomposition products:**

Oxides of phosphorus, irritating and toxic fumes and gases, sodium oxide.

Hazardous Polymerization: Has not been reported

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects**

**Acute Oral toxicity**

No data available

**Acute inhalation toxicity**

No data available

**Acute dermal toxicity**

No data available

**Skin irritation**

No data available

**Eye irritation**

No data available

**Sensitisation**

No data available

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

No data available

**Reproductive toxicity**

No data available

**Teratogenicity**

No data available

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**Specific target organ toxicity - single exposure**

No data available

**Specific target organ toxicity - repeated exposure**

No data available

**Aspiration hazard**

No data available

**11.2 Further Information:**

No data available

**SECTION 12: ECOLOGICAL INFORMATION**

**12.1. Toxicity:**

**Toxicity to fish**

No data available

**Toxicity to daphnia and other aquatic invertebrates**

No data available

**Toxicity to algae**

No data available

**Toxicity to bacteria**

No data available

**12.2 Persistence and degradability:**

No data available

**12.3 Bioaccumulate potential:**

No data available

**12.4 Mobility in soil:**

No data available

**12.5 Results of PBT and vPvB assessment:**

No data available

**12.6 Other adverse effects:**

No data available



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**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods:**

**Product**

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**Contaminated packaging**

Dispose of as unused product.

**SECTION 14: Transport information**

	<b>Land transport (ADR/RID)</b>	<b>Air transport (IATA)</b>	<b>Sea transport (IMDG)</b>
<b>14.1 UN number</b>	No data available		
<b>14.2 Proper shipping name</b>	Not regulated as a hazardous material		
<b>14.3 Class</b>	No data available		
<b>14.4 Packing group</b>	No data available		
<b>14.5 Environmentally hazardous</b>	No data available		
<b>14.6 Special precautions for user</b>	No data available		
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not Relevant		

**SECTION 15: Regulatory information**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

No data available

**15.2 Chemical safety assessment:**

No data available

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**SECTION 16: Other information**

**Full text of H-Statements referred to under sections 2 and 3.**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

**References:** Not available

**Created:** 29/07/2021

**Updated On:** 17/09/2021

**Disclaimer:**

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