

## di-SODIUM HYDROGEN ORTHOPHOSPHATE (Dihydrate), AR GRADE

### SECTION 1: CHEMICAL PRODUCT IDENTIFICATION

Product Name: di-SODIUM HYDROGEN ORTHOPHOSPHATE(Dihydrate), AR GRADE  
Product Code: CM 23136  
CAS#: 10028-24-7  
Synonym: Not available  
Molecular Weight: 177.99  
Chemical Formula: Na<sub>2</sub> HPO<sub>4</sub> 2H<sub>2</sub> O

### SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

Composition:  
Name: di-SODIUM HYDROGEN ORTHOPHOSPHATE (Dihydrate)  
Synonyms: Not available  
Formula: C<sub>6</sub>H<sub>10</sub>CaO<sub>6</sub>  
Molecular Weight: 177.99  
Chemical Formula: Na<sub>2</sub> HPO<sub>4</sub> 2H<sub>2</sub> O

### SECTION 3: HAZARDS IDENTIFICATION

Classification of the substance or mixture: Classification according to Regulation (EC) No 1272/2008 : not a hazards substance or mixture.  
Classification according to EU Directives 67/548/EEC or 1999/45/EC: Not a hazards substance or mixture

### SECTION 4: FIRST AID MEASURES

Description of first aid measures: General advice Consultaphysician. Show this safety data sheet to the doctor in attendance.  
If inhaled If breathed in: Move person into fresh air. If notbreathing, give artificial respiration. Consult a physician.  
In case of skin contact: Wash off with soap and plenty ofwater. Consult a physician.  
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. Consult a physician.  
Most important symptoms and effects, both acute and delay: Not available  
Indication of any immediate medical attention and special treatment needed: Not available

### SECTION 5: FIRE AND EXPLOSION DATA

Extinguishing media:  
Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
Special hazards arising from the substance or mixture: Not available  
Advice for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergencyprocedures: Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensureadequate ventilation. Avoid breathing dust.  
Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.  
Discharge into the environment must be avoided.



Methods and materials for containment and cleaning up: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers.

### SECTION 7: HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage, including any incompatibilities: Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Specific end use(s) A part from the uses: no other specific uses are stipulated.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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 glasses with side-shields conforming to EN166 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.

Body Protection: Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Control of environmental exposure: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance Form	:Colourless crystalline powder
Colour	:Not available
Odour	:Not available
Odour Threshold	:Not available
pH	:8.8 – 9.4
Melting point/freezingpoint	:Not available
Initial boiling point and boiling range	:Not available
Flash point	:Not available
Evaporation rate	:Not available
Flammability (solid, gas)	:Not available
Upper/lower flammability or explosive limits	:Not available
Vapour pressure	:Not available
Relative density	:Not available
Water solubility	:Not available
Partition coefficient	:Not available
Auto-ignition temperature	:Not available

### SECTION 10: STABILITY AND REACTIVITY DATA

Reactivity: Not available

Chemical stability: Stable under recommended storage conditions

Possibility of hazardous reactions: Not available

Conditions to avoid: Not available



Incompatible materials: Strong oxidizing agents  
Hazardous decomposition products Other decomposition products: Not available.

### SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects: Not available  
Inhalation: Not available  
Dermal: Not available  
Skin corrosion/irritation: Not available  
Serious eye damage/eye irritation: Not available  
Respiratory or skin sensitization: Not 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: Not available  
Specific target organ toxicity: Not available

### SECTION 12: ECOLOGICAL INFORMATION

Toxicity: Not available  
Persistence and degradability: Not available  
Bio accumulative potential: Not available  
Mobility in soil: Not available  
Results of PBT and vPvB assessment PBT/vPvB assessment: Not available  
Other adverse effects: Not available

### SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods: Waste must be disposed of in accordance with federal, state and local environmental control regulations

### SECTION 14: TRANSPORT INFORMATION

ADR/RID:	IMDG:	IATA:
UN proper shipping name		
ADR/RID: Not dangerous goods		
IMDG: Not dangerous goods		
IATA: Not dangerous goods		
Transport hazard class(es):		
ADR/RID:	IMDG:	IATA:
Packaging group:		
ADR/RID:	IMDG:	IATA:
Environmental hazards:		
ADR/RID: No	IMDG Marine pollutant: No	IATA: No

### SECTION 15: OTHER REGULATORY INFORMATION

Regulatory information This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006. Safety, health and environmental regulations/legislation specific for the substance or mixture no data available  
Chemical Safety Assessment For this product a chemical safety assessment was not carried out



SECTION 16: OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3: Not available

Other Special Considerations: Not available

The information contained in this data sheet represents the best information currently available to us. However, no warranty is made with respect to its completeness and we assume no liability resulting from its use. The information is offered solely for user's obligation to investigate and determine the suitability of the information for their particular purpose.

