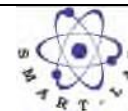


**MATERIAL SAFETY DATA SHEET****SODIUM PHOSPHATE DIBASIC ANHYDROUS**

Revision : 01

Date: April 8th, 2022

MSDS Number : 1270

## Section 1 - Chemical Product and Company Identification

- 1.1 Product Name** : **SODIUM PHOSPHATE DIBASIC ANHYDROUS**  
**Synonyms** : Sodium hydrogen phosphate, Disodium hydrogen phosphate anhydrous  
**CAS No.** : 7558-79-4  
**HS Code** : 2835 29 90  
**Molecular Weight** : 141.96 g/mol  
**Chemical Formula** :  $\text{Na}_2\text{HPO}_4$   
**Product Code** : A 2143, A 3242  
**Brand** : SMART-LAB
- 1.2 Manufacturer** : **PT.Smart-Lab Indonesia**  
**Address** : Ruko Boulevard TamanTekno Blok E No.10 -11BSD SektorXI  
 Serpong, Tangerang - Indonesia  
**Website** : [www.smartlabid.com](http://www.smartlabid.com)  
**Email** : sales@smartlabid.com  
**For information** : Telp: +62 21- 7588 0205(Hunting) , fax:+62-21-7588 0198
- 1.3 Application** : General Chemical reagent  
**Emergency Telephone:** +62-21-7588 0205(Hunting)

## Section 2 - Hazards Identification

**2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

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

**2.2 Label elements**

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

**2.3 Other hazards**

none

## Section 3 - Composition, Information on Ingredients

**3.1 Substances**

- Synonyms** : Sodium hydrogen phosphate, Disodium hydrogen phosphate anhydrous  
**Formula** :  $\text{Na}_2\text{HPO}_4$   
**Molecular weight** : 141.96 g/mol  
**CAS-No.** : 7558-79-4  
**EC-No.** : 231-448-7

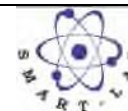
## Section 4 - First Aid Measures

**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.

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**In case of skin contact**

Wash off with soap and plenty of water. 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**

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**

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

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

No data available

## 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**

Oxides of phosphorus, Sodium oxides

**5.3 Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

**5.4 Further information**

No data available

## Section 6 - Accidental Release Measures

**6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust. For personal protection see section 8.

**6.2 Environmental precautions**

Do not let product enter drains.

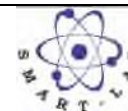
**6.3 Methods and materials for containment and cleaning up**

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

**6.4 Reference to other sections**

For disposal see section 13.

## Section 7 - Handling and Storage

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**7.1 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. For precautions see section 2.2.

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

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Storage class (TRGS 510): Combustible Solids

**7.3 Specific end use(s)**

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

## Section 8 - Exposure Controls, Personal Protection

**8.1 Control parameters****8.2 Exposure controls****Appropriat 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. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

**Body Protection**

Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection**

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle r (US) or type ABEKP2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

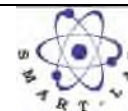
**Control of environmental exposure**

Do not let product enter drains.

## Section 9 - Physical and Chemical Properties

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

Appearance	Form: powder
	Colour: white
Odour	No data available
Odour Threshold	No data available
pH	8.9 - 9.2 at 50 g/l at 25 °C
Melting point/freezingpoint	No data available

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Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour density	4.90 - (Air = 1.0)
Relative density	1.520 g/cm <sup>3</sup>
Water solubility	soluble
Partition coefficient: octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

**9.2 Other safety information**

Relative vapour density 4.90 - (Air = 1.0)

## Section 10 - Stability and Reactivity

**10.1 Reactivity**

No data available

**10.2 Chemical stability**

Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions**

No data available

**10.4 Conditions to avoid**

No data available

**10.5 Incompatible materials**

Strong oxidizing agents, Strong acids

**10.6 Hazardous decomposition products**Hazardous decomposition products formed under fire conditions. - Oxides of phosphorus, Sodium oxides  
In the event of fire: see section 5

## Section 11 - Toxicological Information

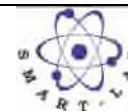
**11.1 Information on toxicological effects****Acute toxicity**

No data available (Disodium hydrogenorthophosphate)

**Skin corrosion/irritation**

Skin - Rabbit (Disodium hydrogenorthophosphate)

Result: Mild skin irritation - 24 h

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**Serious eye damage/eye irritation**

Eyes - Rabbit(Disodium hydrogenorthophosphate)

Result: Mild eye irritation - 24 h

**Respiratory or skin sensitisation**

No data available(Disodium hydrogenorthophosphate)

**Germ cell mutagenicity**

No data available(Disodium hydrogenorthophosphate)

**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(Disodium hydrogenorthophosphate)

**Specific target organ toxicity - single exposure**

No data available(Disodium hydrogenorthophosphate)

**Specific target organ toxicity - repeated exposure**

No data available

**Aspiration hazard**

No data available(Disodium hydrogenorthophosphate)

**Additional Information**

RTECS: Not available

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

## Section 12 - Ecological Information

**12.1 Toxicity**

No data available

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential**

No data available

**12.4 Mobility in soil**

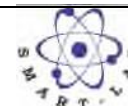
No data available(Disodium hydrogenorthophosphate)

**12.5 Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**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 chem scrubber.

**Contaminated packaging**

Dispose of as unused product.

## Section 14 - Transport Information

**14.1 UN number**

ADR/RID: -

IMDG: -

IATA: -

**14.2 UN proper shipping name**

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

**14.3 Transport hazard class(es)**

ADR/RID: -

IMDG: -

IATA: -

**14.4 Packaging group**

ADR/RID: -

IMDG: -

IATA: -

**14.5 Environmental hazards**

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

**14.6 Special precautions for user****Further information**

No data available

## Section 15 - Regulatory Information

**15.1 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.

**15.2 Chemical safety assessment**

For this product a chemical safety assessment was not carried out

## Section 16 - Additional Information

**National Fire Protection Association (U.S.A.):**

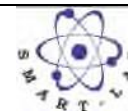
Health: 1

Flammability: 0

Reactivity: 0

**Revision history :**

Date	Rev	Description
June 7, 2018	00	-
April 8, 2022	01	thorough revision

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***Further information***

*The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. PT. Smartlab Indonesia Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.*