



Sodium Phosphate, Dibasic, Anhydrous

Safety Data Sheet Date of issue: 05/06/2019

SECTION 1: Identification

1.1. Identification

Product form : Substance
 Substancename : Sodium Phosphate, Dibasic, Anhydrous
 Chemicalname : Disodium Hydrogen Phosphate
 CAS-No. : 7558-79-4
 Formula : Na₂HPO₄

1.2. Recommended use and restrictions on use

Use of the substance/mixture : For laboratory and manufacturing use only.
 Recommended use : Laboratory chemicals
 Restrictions on use : Not for food, drug or household use

1.3. Supplier

Shri Shanti Laboratories,
 Shri Shanti Niwas,
 Gangashahar Road, Bikaner-334001

1.4. Emergency telephonenumber

Emergency number : +91-9571511119

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Serious eye damage/eye irritation Category 2B H320 Causes eye irritation

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS-US labeling

Signalword (GHS-US) : Warning
 Hazard statements (GHS-US) : H320 - Causes eye irritation
 Precautionary statements (GHS-US) : P264 - Wash exposed skin thoroughly after handling.
 P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P337+P313 - If eye irritation persists: Get medical advice/attention.

2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification : None under normal conditions.

2.4. Unknown acute toxicity (GHSUS)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Substance type : Mono-constituent

Name	Product identifier	%	GHS-US classification
Sodium Phosphate, Dibasic, Anhydrous (Main constituent)	(CAS-No.) 7558-79-4	100	Eye Irrit. 2B, H320

Full text of hazard classes and H-statements : see section 16

3.2. Mixtures

Not applicable

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SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aidmeasuresgeneral	: Never give anything by mouth to an unconscious person. If you feel unwell, seekmedical advice (show the label where possible).
First-aid measuresafterinhalation	: Allow victim to breathe fresh air. Allow the victim torest.
First-aid measures afterskincontact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures aftereyecontact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, ifpresent and easy to do. Continue rinsing.
First-aid measuresafteringestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medicalattention.

4.2. Most important symptoms and effects (acute anddelayed)

Symptoms/effects aftereyecontact	: Causes eyeirritation.
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4.3. Immediate medical attention and special treatment, ifnecessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitableextinguishingmedia	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitableextinguishingmedia	: Do not use a heavy waterstream.

5.2. Specific hazards arising from the chemical

No additional information available

5.3. Special protective equipment and precautions forfire-fighters

Firefightinginstructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protectionduringfirefighting	: Do not enter fire area without proper protective equipment, including respiratoryprotection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergencypersonnel

Protectiveequipment	: Safetyglasses.
Emergencyprocedures	: Evacuate unnecessarypersonnel.

6.1.2. For emergencyresponders

Protectiveequipment	: Equip cleanup crew with properprotection.
Emergencyprocedures	: Ventilatearea.

6.2. Environmentalprecautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaningup

Methods forcleaningup	: On land, sweep or shovel into suitable containers. Minimize generation of dust. Storeaway from other materials.
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6.4. Reference to othersections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions forsafehandling	: Wash hands and other exposed areas with mild soap and water before eating, drinkingor smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.
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7.2. Conditions for safe storage, including anyincompatibilities

Storageconditions	: Keep container closed when not inuse.
Incompatibleproducts	: Strongacids.
Incompatiblematerials	: Sources of ignition.Moisture.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Gloves. Safety glasses.



Hand protection:

Wear protective gloves.

Eye protection:

Chemical goggles or safety glasses

Respiratory protection:

Respiratory protection not required in normal conditions

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Powder.
Color	: white
Odor	: None.
Odor threshold	: No data available
pH	: 8.7 - 9.3 5% solution at 25°C
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: Not applicable
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Nonflammable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Specific gravity/ density	: 1.679 g/cm ³
Solubility	: Soluble in water.
LogPow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: Not applicable

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Viscosity,dynamic	: Notapplicable
Explosionlimits	: No dataavailable
Explosiveproperties	: No dataavailable
Oxidizingproperties	: No dataavailable

9.2. Other information

No additional informationavailable

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional informationavailable

10.2. Chemicalstability

Protect from moisture. Stable under normal conditions.

10.3. Possibility of hazardousreactions

Not established.

10.4. Conditions toavoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatiblematerials

Strong acids.

10.6. Hazardous decompositionproducts

Phosphorus oxides.

SECTION 11: Toxicological information

11.1. Information on toxicologicaleffects

Likely routesof exposure : Inhalation; Skin and eyecontact

Acutetoxicity : Notclassified

Sodium Phosphate, Dibasic, Anhydrous (7558-79-4)	
LD50 oral rat	5950 mg/kg
LD50 dermal rabbit	≥ 7940 mg/kg
ATE US (oral)	5950 mg/kg body weight
ATE US (dermal)	7940 mg/kg body weight

Skin corrosion/irritation : Notclassified
pH: 8.7 - 9.3 5% solution at 25°C

Serious eyedamage/irritation : Causes eyeirritation.
pH: 8.7 - 9.3 5% solution at 25°C

Respiratory orskinsensitization : Notclassified

Germcellmutagenicity : Notclassified

Carcinogenicity : Notclassified

Reproductivetoxicity : Not classified

Specific target organ toxicity –singleexposure : Notclassified

Specific target organ toxicity – repeated exposure : Not classified

Aspirationhazard : Notclassified

Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

Symptoms/effects aftereyecontact : Causes eyeirritation.

SECTION 12: Ecological information

12.1. Toxicity

Sodium Phosphate, Dibasic, Anhydrous (7558-79-4)	
LC50 fish 1	≥ 100 mg/l
EC50 Daphnia 1	≥ 100 mg/l

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12.2. Persistence and degradability

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Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

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Bioaccumulative potential	Not established.
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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not regulated

SECTION 15: Regulatory information

15.1. US Federal regulations

Sodium Phosphate, Dibasic, Anhydrous (7558-79-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory
Not subject to reporting requirements of the United States SARA Section 313

RQ (Reportable quantity, section 304 of EPA's List of Lists)	5000 lb
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All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

15.2. International regulations

CANADA

Sodium Phosphate, Dibasic, Anhydrous (7558-79-4)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

Sodium Phosphate, Dibasic, Anhydrous (7558-79-4)

Not listed on the Canadian IDL (Ingredient Disclosure List)

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

Revision date : 04/11/2018

Other information : None.

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Full text of H-phrases: see section 16:

H320

Causes eye irritation

NFPAhealthhazard

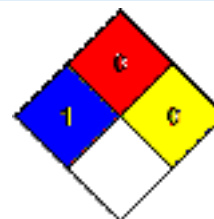
: 1 - Materials that, under emergency conditions, can cause significantirritation.

NFPAfirehazard

: 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.

NFPAreactivity

: 0 - Material that in themselves are normally stable, even under fire conditions.



Hazard Rating

Health

: 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability

: 0 Minimal Hazard - Materials that will not burn

Physical

: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Personal protection

: A

A - Safety glasses

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