

SAFETY DATA SHEET

Safety data sheet according to (EC) No. 1907/2006.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier:**Trisodiumphosphate**

Substance: Sodium phosphate dodecahydrate

CAS-no.: 10101-89-0

EINECS-no.: 600-151-8

INDEX-no.: None.

REACH-REG.-no.: None.

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

Fixing salt for liquid batik.

1.3. Details of the supplier of the safety data sheet:

Schjerning Farver A/S

Østerallé 21

Tel: +45 86 34 22 11

8400 Ebeltoft

Denmark

Responsible for the safety data sheet (e-mail): jb@schjerning.dk

1.4. Emergency telephone number:

NHS (England or Wales): Dial 111 or 0845 4647 NHS 24 (Scotland): Dial 111

National Poisons Information Centre (Ireland): +353 (1) 809 2166 (8.00 a.m. to 10.00 p.m. 7 days a week)

Healthcare Professionals: +353 (1) 809 2566 (24-hour service)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture:

Irritant substance.

CLP (1272/2008): Skin Irrit. 2;H315 Eye Irrit. 2;H319 STOT SE 3;H335

Wording of hazard statements - see below in point 2.

2.2. Label elements:

Contains: Sodium phosphate dodecahydrate.



Warning

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

P305+P351+P338+P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or a doctor.

P501: Dispose of contents/container to local, state or national legislation.

2.3. Other hazards: None known.

PBT/vPvB: The ingredients are not considered PBT/vPvB according to criteria in Annex XIII.

Endocrine disrupting properties: The substances are not identified as having endocrine disrupting properties in accordance with the criteria set out in Regulation 2017/2100 or Regulation 2018/605.

SECTION 3: Composition/information on ingredients

3.1. Substances:

Contains: Sodium phosphate dodecahydrate and small amounts of unknown impurities from manufacturing.

SECTION 4: First-aid measures

4.1. Description of first aid measures:

Inhalation: Remove to fresh air. Keep at rest. In case of discomfort: Seek medical advice.

Skin contact: Remove contaminated clothing and wash with soap and water. If irritation persists: Seek medical advice.

Eye contact: Flush with water or physiological salt water, holding eye lids open, remember to remove contact lenses, if any. If irritation persists: Seek medical advice.

Ingestion: Rinse mouth and drink plenty of water. Keep at rest. In case of discomfort: Seek medical advice.

SECTION 4: First-aid measures (continued)

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

May cause slight irritation of skin, eyes, lungs and the gastrointestinal tract.

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

Show this safety data sheet to a physician or emergency ward.

SECTION 5: Firefighting measures

5.1. Extinguishing media:

All traditional, such as water, powder, foam or carbonation.

5.2. Special hazards arising from the substance or mixture:

Do not inhale smoke fumes. In case of fire the product may form hazardous decomposition products such as phosphor oxides.

5.3. Advice for firefighters:

When extinguishing fires use breathing apparatus with an independent source of air.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures:

Use gloves of rubber when spill is wiped up – see section 8. Ventilate area of spill.

6.2. Environmental precautions:

Do not empty into drains – see section 12.

6.3. Methods and material for containment and cleaning up:

Scrape up with a stiff cardboard or similar. Wipe up small spillage with paper towels. Wash with a hard surface cleaner.

Further handling of spillage - see section 13.

6.4. Reference to other sections:

See above.

SECTION 7: Handling and storage

7.1. Precautions for safe handling:

Avoid contact with skin, eyes or clothing. Wash with water and soap after work.

7.2. Conditions for safe storage, including any incompatibilities:

In sealed container in a dry, cool and well-ventilated location. Protect from sunlight.

Store securely and out of reach of unauthorized personnel and separated from food, feed, medicine etc.

7.3. Specific end use(s):

See section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters:

Occupational exposure limits, UK (EH40/ed.2020): None.

Occupational exposure limit values, Ireland (2021): None.

DNEL/PNEC: No CSR.

8.2. Exposure controls:

Appropriate engineering controls: None particular.

Personal protective equipment:

Respiratory protection: Respiratory equipment is normally not required. Use approved mask with particle filter P2 (EN149).
The filters have limited service life (must be replaced). Read the manufacturer's instructions.

Skin protection: By prolonged contact: Wear protective gloves of e.g. nitrile rubber (EN374). The breakthrough time:
3 hours.

Eye protection: Use safety goggles (EN166) when there is a risk of splashes.

Environmental exposure controls: None particular.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties:

Physical state:	Crystals
Colour:	Not determined
Odour:	None
Melting point/freezing point (°C):	Not determined
Boiling point or initial boiling point and boiling range (°C):	Not determined
Flammability (solid, gas):	None relevant
Lower and upper explosion limit (vol-%):	None relevant
Flash point (°C):	Not determined
Auto-ignition temperature (°C):	Not determined
Decomposition temperature (°C):	Not determined

SECTION 9: Physical and chemical properties (continued)

pH:	Not determined
Kinematic viscosity:	None relevant
Solubility:	33 (g/100 g, 20°C)
Partition coefficient n-octanol/water (log value):	None relevant
Vapour pressure:	Not relevant
Density and/or relative density:	0,9
Relative vapour density:	None relevant
Particle characteristics:	Not determined
9.2. Other information:	None relevant

SECTION 10: Stability and reactivity**10.1. Reactivity:**

No available data.

10.2. Chemical stability:

Stable under normal conditions (see section 7). Not flammable.

10.3. Possibility of hazardous reactions:

Aqueous solution reacts with aluminum.

10.4. Conditions to avoid:

Avoid moisture and strong heating.

10.5. Incompatible materials:

Strong oxidizers.

10.6. Hazardous decomposition products:

When heated to very high temperatures (decomposition) it emits toxic gases: Phosphor oxides.

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008:**

Acute toxicity: Based on available data, the classification criteria are not met.

Skin corrosion/irritation: Skin Irrit. 2;H315

Serious eye damage/irritation: Eye Irrit. 2;H319

Respiratory or skin sensitization: Based on available data, the classification criteria are not met.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure: STOT SE 3;H335

STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

Hazard class	Data (for anhydride compound)	Test	Reference
Acute toxicity:			
Inhalation	LC ₅₀ (Rat) > 0,83 mg/l/Air- 4H (Aerosol)	OECD 403	ECHA diss
Dermal	LD ₅₀ (Rat) > 2000 mg/kg	None	ECHA diss
Oral	LD ₅₀ (Rat) > 2000 mg/kg	OECD 420	ECHA diss
Corrosion/irritation:	Irritating effect on the eyes, rabbit	None	ECHA diss
	Skin irritation, rabbit (score 7/8)	None	ECHA diss
Sensitization:	Low skin sensitization, guinea pig	OECD 429	ECHA diss
CMR:	None CMR-effects.	Different	ECHA diss

Information on likely routes of exposure: Lungs, skin and gastrointestinal tract.

Symptoms:

Inhalation: Irritating and cause discomfort, nausea, headache and dizziness.

Skin: Irritating. May cause defatting and have a drying effect.

Eyes: Causes irritation with redness and pain.

Ingestion: May cause irritation of the mouth and gastrointestinal tract with symptoms as mentioned under "Inhalation" as well as diarrhoea.

Chronic effects: None known.

11.2. Information on other hazards: None known.

SECTION 12: Ecological information

12.1. Toxicity:

Aquatic	Data (for anhydride compound)	Test	Reference
Fish	LC ₅₀ (96h) > 100 mg/l	OECD 201	ECHA diss
	NOEC > 100 mg/l	OECD 201	ECHA diss
Crustacean	EC ₅₀ (48h) > 100 mg/l	No info (FW)	ECHA diss
Algae	IC ₅₀ (72h) > 100 mg/l	No info (FW)	ECHA diss

12.2. Persistence and degradability:

Methods for determining biodegradability do not apply to inorganic substances.

Sodium is soluble in water and will split into sodium and phosphate ions.

12.3. Bioaccumulative potential:

Sodium phosphate: Log K_{ow} < 1 - no significant bioaccumulation.

12.4. Mobility in soil:

Sodium phosphate: K_{oc} < 1 - Very high mobility in soil environments.

12.5. Results of PBT and vPvB assessment:

The ingredients are not considered PBT/vPvB according to criteria in Annex XIII.

12.6. Endocrine disrupting properties:

None known.

12.7. Other adverse effects:

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods:

The chemical must be considered hazardous waste. Disposal should be according to local, state or national legislation.

EWC-Code: 20 03 01 and 15 02 03 (Paper, inert material, etc. contaminated with the product)

SECTION 14: Transport information

Not dangerous goods (ADR/RID/IMDG/IATA).

14.1. UN number or ID number: None.

14.2. UN proper shipping name: None.

14.3. Transport hazard class(es): None.

14.4. Packing group: None.

14.5. Environmental hazards: No.

14.6. Special precautions for user: None.

14.7. Maritime transport in bulk according to IMO instruments: Not relevant.

SECTION 15: Regulatory information

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

None.

15.2. Chemical safety assessment:

No CSR.

SECTION 16: Other information

Hazard statements mentioned in section 2 and 3:

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

Abbreviations:

CMR = Carcinogenicity, mutagenicity and reproductive toxicity.

CSR = Chemical Safety Report

DNEL = Derived No-Effect Level

EC₅₀ = Effect Concentration 50 %

ECHA diss = European Chemical Agency Registration dossier

FW = Fresh Water

LC₅₀ = Lethal Concentration 50 %

LD₅₀ = Lethal Dose 50 %

PBT = Persistent, Bioaccumulative, Toxic

PNEC = Predicted No-Effect Concentration

vPvB = very Persistent, very Bioaccumulative

SECTION 16: Other information (continued)

Literature:

ECHA diss = European Chemical Agency Registration dossier

EPA Ecotox = The US Environmental Protection Agency's database on ecotoxicological effects for chemicals.

IUCLID = International Uniform Chemical Information Database.

RTECS = Register of Toxic Effects of Chemical Substances.

Training advice:

No special training is required. However, the user should be well instructed in the execution of his/her task, be familiar with this Safety Data Sheet and have normal training in the use of personal protective equipment.

Changes since the previous edition:

Revision of the format according to Regulation 2020/878 – section 11.1

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