

Safety data sheet

according to EC 1907/2006 and EU 453/2010

Printing date 07.10.2013

Version number 2

Revision: 07.10.2013

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

- **1.1. Product identifier**
- **Trade name:** trisodium phosphate 12H₂O, type 19
- **CAS Number:**
10101-89-0
- **EC number:**
231-509-8
- **1.2. Relevant identified uses of the substance or mixture and uses advised against**
Additive for professional use in inorganic and organic chemical industry or food industry.
- **1.3. Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Fosfa akciová společnost
Hranicní 268/120
691 41 Breclav-Postorna
Czech Republic
Company reg. no.:00152901
Taxpayer reg. no.:298-00152901
Tel.: +420 519 306 111
Fax.: +420 519 326 128
E-mail: fosfa@fosfa.cz
www.fosfa.cz
- **Competent person responsible for the Safety Data Sheet**
E-mail : MSDS@fosfa.cz
Tel.: +420 519 306 407
Tel.: +420 519 306 335
Tel.: +420 519 306 286
- **1.4. Emergency telephone number:**
Toxicological info center
Na Bojisti 1
120 00 Praha 2
Czech Republic
+420 224 919 293, +420 224 915 402 (nonstop)
e-mail: tis@mbox.cesnet.cz

2 Hazards identification

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



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H335 May cause respiratory irritation.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



Xi; Irritant

R36/37/38: Irritating to eyes, respiratory system and skin.

- **Information concerning particular hazards for human and environment:** Not applicable.

- **Classification system:**

Classification complies with the latest edition of the EU-list and is extended by company and literature data.

- **2.2. Label elements**

- **Labelling according to Regulation (EC) No 1272/2008**

The substance is classified and labelled according to the CLP regulation.

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· **Hazard pictograms**

GHS07

· **Signal word** Warning· **Hazard statements**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

· **Precautionary statements**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

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

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

· **2.3. Other hazards:** Not known.· **Classification system:**· **Eye contact:** May cause irritation.· **Skin contact:** May cause skin irritation.· **Ingestion:** Can cause mild stomach and intestinal irritation associated with nausea and vomiting.· **Inhalation:** Inhaling of particles may cause irritation of the respiratory system.· **Other hazards** None· **Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.

3 Composition/information on ingredients

· **3.1. Substances**· **CAS No. Description**

10101-89-0 trisodium phosphate

· **Identification number(s)**· **EC number:** 231-509-8

4 First aid measures

· **4.1. Description of first aid measures**· **After inhalation:** Supply fresh air; consult doctor in case of complaints.· **After skin contact:**

Rinse affected area with water and use regenerative cream.

Immediately wash with water and soap and rinse thoroughly.

· **After eye contact:**

Rinse the opened eye for several minutes under running water. Ensure adequate flushing by separating the eyelids with fingers. If symptoms persist, consult a physician.

· **After swallowing:** Rinse out mouth and then drink plenty of water.· **Information for doctor:**· **4.2. Most important symptoms and effects, both acute and delayed**

No further relevant information available.

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- **4.3. Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting measures

- **5.1. Extinguishing media** Use fire extinguishing methods suitable to surrounding conditions.
- **Extinguishing media which shall not be used for safety reasons:** Not known.
- **5.2. Special hazards arising from the substance or mixture** Not known.
- **5.3. Advice for firefighters:** Wear fully protective suit.
- **Additional information** Not explosive. Not auto-flammable. Not flammable.

6 Accidental release measures

- **6.1. Personal precautions, protective equipment and emergency procedures** Wear protective clothing.
- **6.2. Environmental precautions:** Dilute with plenty of water.
- **6.3. Methods and material for containment and cleaning up:** Ensure adequate ventilation.
- **6.4. Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **7.1. Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2. Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:** Store in a cool and dry area.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Store in dry conditions.
Keep container tightly sealed.
- **Recommended storage temperature:** -
- **7.3. Specific end use(s)** According to the instructions on the package label.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** see item 5, 6, 7
- **Control parameters**
- **8.1. Control parameters:** Not required.
- **Additional information:** The lists valid during the making were used as basis.
- **8.2. Exposure controls**
- **8.2.1. Occupational exposure controls:**
Do not eat or drink while working.
The usual precautionary measures are to be adhered to when handling chemicals.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
- **Respiratory protection:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Hand protection:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

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Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Protective gloves

In case of long term contact use protective gloves or protective skin cream

· **Material of gloves**

Latex or rubber

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:** Goggles recommended during production.

· **Skin protection:** Protective work clothing

· **8.2.2. Exposure controls of users/consumers:**

Wear protective gloves when handling the product. For choosing suitable gloves see chapter 8.2.1.

Avoid contact with the eyes and skin.

After you finish work with the product, wash your hands.

· **8.2.3. Environmental exposure controls:**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

9 Physical and chemical properties

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

· **Appearance:**

Physical state: Solid

Colour: White

· **Odour:** Characteristic

· **Odour threshold:** Not determined.

· **9.2. Important health, safety and environmental information:**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: Undetermined.

· **Flash point:** Not applicable.

· **Flammability (solid, gas):** Not applicable.

· **Ignition temperature:**

Decomposition temperature: Not determined.

· **Self-igniting:** Not determined.

· **Explosive properties:** Product does not present an explosion hazard.

· **Explosion limits:**

Lower: Not determined.

Upper: Not determined.

· **Oxidising properties:** None.

· **Vapour pressure:** Not determined.

· **Density:** Undetermined.

· **Relative density:** Not determined.

· **Vapour density:** Not determined.

· **Evaporation rate:** Not applicable.

· **Solubility:**

Water solubility: Not determined.

· **Partition coefficient: n-octanol/water:** Not determined.

· **Viscosity:**

Dynamic: Not determined.

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| | |
|---------------------------------|--|
| Kinematic: | Not determined. |
| · 9.2. Other information | No further relevant information available. |

10 Stability and reactivity

- **10.1. Reactivity** No known.
- **10.2. Chemical stability** Stable at recommended storage conditions.
- **10.3. Possibility of hazardous reactions** No dangerous reactions known.
- **10.4. Conditions to avoid** No further relevant information available.
- **10.5. Incompatible materials:** No further relevant information available.
- **10.6. Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **11.1. Information on toxicological effects**
- **Acute toxicity:** Undetermined.
- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Toxicokinetics, metabolism and distribution:** Not determined.
- **Acute effects (acute toxicity, irritation and corrosivity):** Irritant
- **Sensitisation:** Not known.
- **Repeated dose toxicity:** Not known.
- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction):** Not known.

12 Ecological information

- **12.1. Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2. Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **12.3. Bioaccumulative potential** No further relevant information available.
- **12.4. Mobility in soil** No further relevant information available.
- **12.5. Results of PBT and vPvB assessment** Undetermined.
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6. Other adverse effects** No further relevant information available.

13 Disposal considerations

- **13.1. Waste treatment methods**
- **Waste disposal key:**
06 09 99 Wastes from the MSFU of phosphorous chemicals and phosphorous chemical processes, not otherwise specified.
- **Uncleaned packaging:**
Waste disposal key:
15 01 10 * Packaging containing residues of hazardous substances or contaminated packaging these substances
Waste disposal key:
15 01 01 Paper and cardboard packaging
15 01 02 Plastic packaging

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· **Recommendation:** Disposal must be made according to official regulations.**14 Transport information**

non hazard classification according to ADR

| | |
|--|-----------------|
| · Number OSN | |
| · ADR, ADN, IMDG, IATA | Void |
| · UN proper shipping name | |
| · ADR, ADN, IMDG, IATA | Void |
| · Transport hazard class(es) | |
| · ADR, ADN, IMDG, IATA | |
| · Class | Void |
| · Packing group | |
| · ADR, IMDG, IATA | Void |
| · Environmental hazards: | |
| · Marine pollutant: | No |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · UN "Model Regulation": | - |

15 Regulatory information· **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**· **National regulations:** -· **EU directives:**

Commission Regulation (EU) No. 453/2010 of 20 May 2010 amending Regulation of the European Parliament and Council Regulation (EC) No 1907/2006 of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94, Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. 2000/532/EC: Commission Decision of 3 May 2000 replacing Decision 94/3/EC establishing a list of wastes pursuant to Article 1(a) of Council Directive 75/442/EEC on waste and Council Decision 94/904/EC establishing a list of hazardous waste pursuant to Article 1(4) of Council Directive 91/689/EEC on hazardous waste, as amended.

Council Directive 67/548/EEC of 27 June 1967 on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances, as amended.

· **15.2. Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Training advice:** Once a year according to this material safety data sheet.· **Recommended restrictions on use (i.e. non-statutory recommendations by supplier):** none· **Further information (written references and/or technical contact point):** e-mail: msds@fosfa.cz· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

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*IMDG: International Maritime Code for Dangerous Goods**IATA: International Air Transport Association**ICAO: International Civil Aviation Organization**GHS: Globally Harmonized System of Classification and Labelling of Chemicals**EINECS: European Inventory of Existing Commercial Chemical Substances**CAS: Chemical Abstracts Service (division of the American Chemical Society)*

- **Sources of key data used to compile the Safety Data Sheet:** Material safety data sheets of raw materials.
- *** Data compared to the previous version altered.**

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