

Material Safety Data Sheet

Material Safety Data Sheet in accordance with 91/155/EEG	Version :1
Tetrasodium pyrophosphate	Status : 02-11-2015

1 Identification of the substance/preparation and company

Tradename : Tetrasodium pyrophosphate
Chemical name : Tetrasodium pyrophosphate
Application water processing; metal treatment
Supplier : JIANGSU KHONOR CHEMICALS CO.,LIMITED
Rm 1902 Easey Comm Bldg, 253-261, Hennessy RD Wanchai HK
Tel.: 0086-19851820538

2 Composition and information on ingredients

CAS-number	Annex-1 number	Conc. (w/w)	Symbols	R-phrases
Tetrasodium pyrophosphate : 7722-88-5		96.5%		None
Further information : Available in food grade and technical quality.				

3 Hazards identification/Symptoms

Inhalation : Corrosive. Causes sore throat, headache, shortness of breath and dyspnoa
Skin : Corrosive. Causes redness and pain, burning sensations
Eyes : Corrosive. Causes redness, pain and poor visibility, severe burns and lasting damaging
Ingestion : Corrosive. Causes burning sensations, abdominal cramp, diarrhoea, headache and sickness
Environment : Lightly nocuous for waters (WGK 1).
Fire : Not flammable
Explosion :
Chemical / Physical :
Other : Product builds together with water a strong alcalic solution.

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4 First aid measures

In case of inhalation : Fresh air, rest and seek medical advice.

In case of contact with skin : Rinse with plenty of water, remove contaminated clothing.

In case of contact with eyes : Rinse immediately with plenty of water. Seek medical advice.

In case of ingestion :

Advice to doctor :

Instructions for physician :

Further Information :

5 Fire-fighting measures

Extinguishing media : At fire in the surroundings: all extinguishing agents permitted.

Unsuitable extinguishing media :

Special exposure hazards : Tetrasodium pyrophosphate is not flammable.

Dangerous decomposition products :

Equipment for firefighters :

Specific extinguishing procedure :

6 Accidental release measures

Personal precaution : Avoid contact with eyes, skin and respiratory system. Use personal protection equipment..

Environmental precaution : Tetrasodium pyrophosphate should not arrive into the soil or the aquatic environment.

Methods for cleaning up : Shovel up material and recycle if possible. Dispose of contaminated material according to the prescriptions.

7 Handling and storage

Handling : To be transported in the original packaging.

Storage : To be stored protected from humidity.

Requirements for packaging :

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8 Exposure controls / personal protection

LIMIT VALUE*
* Dutch limit value (MAC): : not determined

MEASURES
Technical : Take care of sufficient ventilation and local suction.
Organizational :
Hygienic : Do not eat, drink or smoke during work.

PERSONAL PROTECTIVE EQUIPMENT
Respiratory protection: In case of raising of dust wear dust protection mask
Hand protection : Suitable gloves
Eye protection : Safety glasses; with dust: protective glasses.
Skin protection : Protective clothing

9 Physical and chemical properties

Physical condition : Solid, powder
Formula $\text{Na}_4\text{P}_2\text{O}_7$
Colour : White
Odour : Odourless
Odour perception limit :
Molecular weight : 265.9
Acidity / pH(°C) : 9.9-10.7 (10 g /l H₂O)
Boiling point /...(°C). : 938
Point of transformation :
Melting point /...(°C). : 880
Flash point (°C) :
Self-ignition temperature
(°C) :
Lower explosion limit
(vol. %) :
Upper explosion limit :
(vol. %)
Vapour pressure (20 °C) :
Bulk Density (kg/m3) :900

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9 Physical and chemical properties

Relative density : (H ₂ O=1) Solubility in water : 62.3g/l Viscosity (25 C, mPas) : Partition coefficient : octanol/water

10 Stability and reactivity

Stability : Alkaline reaction with water. Circumstances to avoid : Substances to avoid : Reacts intensity alcali in case of admission of water , caustic soda lye which is incorporated in the crystal is liberated. Dangerous : decomposition products

11 Toxicological information

Acute toxicity : Oral: (LD ₅₀) 400 mg/kg. Species: rat. Topical effects: Long-term effects: Chronic effects : Other effects : Attitude in environment : Compartments
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12 Ecological information

Mobility : Bioaccumulative : potential Degradability : Ecotoxicity : Fish: LC 50 1650 mg/l. Depending on the concentration, phosphoric components can attribute to the eutrophication of waters. Other :
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13 Disposal considerations

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13 Disposal considerations

Method of disposal : Shovel up material and recycle if possible. Dispose of contaminated material according to the prescriptions.

Waste material code :

Disposal of packaging :

Other remarks :

14 Transport information

UN-number :

Hazard Identification No. :

Transport name :

ADR/ADNR/RID class :

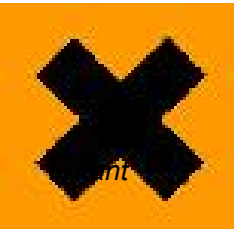
Item number :

IMO / IMDG-class :

IATA :

Other details :

15 Regulatory information

Symbol : 

R-phrases

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

S-phrases

S37/39 : Wear suitable gloves and Eye/face protection

Note :

EC-labeling : Labelling in conformity with directives 67/548/EEC and 88/379/EEC.

EC number : 231-509-8

Special regulations : Lightly nocuous for water (WGK 1).

16 Other information

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16	Other information
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Changes in rubric : 3, 9
Date of printing : 02-11-2015

This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.