

SAFETY DATA SHEET

TRISODIUM PHOSPHATE

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Compilation date: 30/09/2016

Revision No: 1

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

1.1. Product identifier

Product name: TRISODIUM PHOSPHATE

REACH registered number(s): 01-2119489800-32

CAS number: 10101-89-0

EINECS number: 231-509-8

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

1.3. Details of the supplier of the safety data sheet

Company name: Central Chemical Supplies Ltd

44 Hall Road

Donaghcloney

Co Armagh

BT66 7LJ

United Kingdom

Tel: 02838 881936

Email: frances@ccsni.co.uk

1.4. Emergency telephone number

Emergency tel: 0044 7872501842

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335

Most important adverse effects: Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.

2.2. Label elements

Label elements:

Hazard statements: H315: Causes skin irritation.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

Hazard pictograms: GHS07: Exclamation mark



Signal words: Warning

Precautionary statements: P261: Avoid breathing dust.

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

[cont...]

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P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P302+352: IF ON SKIN: Wash with plenty of water/soap and water.

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.1. Substances

Chemical identity: TRISODIUM PHOSPHATE

CAS number: 10101-89-0

EINECS number: 231-509-8

REACH registered number(s): 01-2119489800-32

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water. Get medical attention if irritation persists after washing.

Eye contact: DO NOT DELAY! Remove contact lenses, if present and easy to do. Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. If conscious, give half a litre of water to drink immediately. Do not induce vomiting. Consult a doctor.

Inhalation: Supply fresh air. Seek medical attention if feeling unwell.

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

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

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

Immediate / special treatment: Treat symptomatically.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. Do not inhale explosion gases or combustion gases.

[cont...]

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Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Avoid formation of dust. Ensure adequate ventilation.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Do not allow to penetrate the ground/ soil.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Use industrial vacuum cleaner to remove material. Avoid generation and spreading of dust.

6.4. Reference to other sections

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Ensure there is sufficient ventilation of the area. Avoid the formation or spread of dust in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep container tightly closed.

Suitable packaging: Do not use aluminium containers. Store away from metals

7.3. Specific end use(s)

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

DNEL/PNEC Values

TRISODIUM PHOSPHATE

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	4.07 mg/m ³	Workers	Systemic
DNEL	Inhalation	3.04 mg/m ³	General Population	Systemic
PNEC	Fresh water	0.05 mg/l	-	-
PNEC	Marine water	0.005 mg/l	-	-
PNEC	Microorganisms in sewage treatment	50 mg/l	-	-
PNEC	Water (intermittent releases)	0.5 mg/l	-	-

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Not normally required under normal conditions of use. Ensure adequate ventilation. If ventilation is insufficient, suitable respiratory protection must be provided.

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Hand protection: Protective gloves.

Eye protection: Safety glasses.

Skin protection: Protective clothing.

Environmental: Ensure a retention tank is installed.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Solid

Colour: White

Odour: Odourless

Melting point/range°C: 450

Relative density: 1.6 g/cm³

pH: 12.0

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions. Stable at room temperature.

10.3. Possibility of hazardous reactions

Hazardous reactions: Reacts with acids. Reacts with various metals

10.4. Conditions to avoid

10.5. Incompatible materials

Materials to avoid: Strong acids. Finely powdered metals.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes. Phosphorus Oxides

Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicity values:

Route	Species	Test	Value	Units
ORAL	RAT	LD50	>2000	mg/kg
DERMAL	RBT	LD50	>5000	mg/kg

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DUST/MIST	RAT	4H LC50	>0.83	mg/l
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Relevant hazards for product:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
STOT-single exposure	INH	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values:

Species	Test	Value	Units
Daphnia	48H EC50	>100	mg/kg

12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: Not expected to Bioaccumulate

12.4. Mobility in soil

Mobility: No data available.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Must be disposed of in accordance with local and national regulations.

Disposal of packaging: Must be disposed of in accordance with local and national regulations.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

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Section 15: Regulatory information

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

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: H315: Causes skin irritation.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.