

1 IDENTIFICATION OF PRODUCT AND COMPANY

1.1 Product identifier

Commercial name POLYPHOSPHATE CRYSTAL SALT/W
 Chemical name SODIUM METAPHOSPHATE
 CAS: 10361-03-2
 EC No: 233-782-9
 Index No: --

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

Raw material for industrial applications Industrial uses [SU3]
 uses advised against Do not use for purposes other than those listed

1.3 Informations of the safety data sheet of the supplier

Company name: E-ROTEK WATER SYSTEMS CO., LTD.
 - Address: No. 2, Nanyi Rd, Pingtung City, Pingtung County, 900543
 - Telephone: +886-8-751-1181 #12, #14
 - Email: sales@rotekwater.com
 - Web: www.rotekwater.com

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

The product IS NOT CLASSIFIED dangerous under the provisions laid down in Regulation (EC) 1272/2008 (CLP) (and subsequent amendments)

2.1.1 Classification according to Regulation (CE) N. 1272/2008:

Not dangerous

2.2 label elements

Labeling according to Regulation (CE) n. 1272/2008 [CLP]

hazard pictograms: -
 Warning: -
 Hazard statements : -
 safety advice : -

Additional information on hazards (EU) : not applicable

2.3 Other hazards

Risk of bone or dental fluorosis

3 COMPOSITION / INFORMATION ON INGREDIENTS

Substance	Conc. %	REACH	Index	CAS	EINECS	Classification	Concentration limits specific, factors M
Sodium metaphosphate	100	--	--	10361-03-2	233-782-9	--	--

4. FIRST AID MEASURES

4.1 Description of first aid measures

General informations: no special measures required .
 In case of skin contact : rinse immediately with plenty of soap and water.
 In case of contact with eyes : rinse them with water for a sufficient length of time and under the eyelids.
 If swallowed : drink a lot of water.
 if inhaled no likelihood of exposure.

4.2 Most important symptoms and effects , both acute and delayed

Contact with the eyes produces redness

4.3 Indication of any immediate medical attention and special treatment

In case of accident or discomfort consult a physician (if possible show this safety data sheet)

5. FIRE FIGHTING MEASURES

- 5.1 Extinguishing**
Extinguishing Media : Water , foam, CO2 or powder.
- 5.2 Special hazards arising from the substance or mixture**
None
- 5.3 Advice for firefighters**
None in particular

6. MEASURES IN CASE OF ACCIDENTAL RELEASE

- 6.1 Personal precautions , protective equipment and procedures in case of emergency**
Avoid coming into contact with the product without PPE.
- 6.2 Environmental precautions**
Avoid spilling of the product .
- 6.3 Methods and materials for containment and cleaning**
Collect avoiding dust formation .
- 6.4 Reference to other sections**
Refer to paragraphs 8 and 13 for more information

7 HANDLING AND STORAGE

- 7.1 Precautions for safe handling**
Avoid contact with the product . At work do not eat or drink.
- 7.2 Conditions for safe storage, including any incompatibilities**
Store in a cool, dry place.
- 7.3 Specific end uses**
See section 1.2

7 EXPOSURE CONTROL/PERSONAL PROTECTION

- 8.1 Control parameters**
General limit of exposure to dust, TRGS german 900 (2006) 3 mg/m³ measured as part alveolar capillary.
- 8.2 Exposure controls**
Eye protection : safety glasses with side protection for chemical products (EN166).
Skin protection : normal work clothing .
Hand protection : normal work gloves (EN347).
Respiratory protection : dust mask .
Thermal Hazards : Not applicable .
Environmental exposure controls : follow general hygienic measures for handling chemicals .
Appropriate engineering controls: ensure adequate ventilation in the workplace .

9 PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Key informations about physical and chimica property**
- | | |
|---|------------------------|
| a) appearance: | solid white/trasparent |
| b) smell: | odorless |
| c) olfactory threshold | Not available |
| d) pH | ca. 5,7 10 °C (10 g/l) |
| e) Melting point / freezing point | 449.85 °C |
| f) Initial boiling point and boiling range | Not applicable |
| g) flammability point | Not inflammable |
| h) Evaporation rate | Not applicable |
| i) flammability (solid,gas) | Not inflammable |
| j) upper limits / lower flammability or explosive | Not applicable |
| k) Vapor pressure | Not applicable |
| l) Vapor density | non applicabile |
| m) Relative density | 2.58 @ 20.5 °C |
| n) Solubility | Very soluble |

- | | |
|--|-----------------------------|
| o) distribution coefficient: n-octanol/water | Not applicable |
| p) Auto-ignition temperature | Not applicable |
| q) Decomposition temperature | |
| r) viscosity | Not applicable |
| s) Explosive properties | Not explosive |
| t) Oxidant properties | It doesn't react with fuels |

9.2 Other informations

No fact available

10 STABILITY AND REACTIVITY**10.1 Reactivity**

None

10.2 Chemical stability

Stable under recommended storage and handling

10.3 Possibility of hazardous reactions

Not dangerous reactions known

10.4 Conditions to avoid

None

10.5 Incompatible material

None

10.6 Hazardous decomposition products

Stable product under normal conditions of use

11 TOXICOLOGICAL INFORMATIONS

- | | |
|--|-------------------------------|
| a) Acute toxicity: | Oral: LD50 2000 mg/kg (ratto) |
| b) Irritation/corrosion skin: | mildly irritating |
| c) Serious eye damage / eye irritation : | not irritating |
| d) respiratory or skin sensitization : | Do not cause sensitization |
| e) Germ cell mutagenicity : | Irrelevant |
| f) carcinogenicity : | Irrelevant |
| g) Toxicity for the breeding: | No fact available |
| h) Specific target organ toxicity (STOT):single exposure | No fact available |
| i) Specific target organ toxicity (STOT) : repeated exposure | no fact available |
| j) Danger Aspiration : | No fact available |

12 ECOLOGICAL INFORMATIONS**12.1 Toxicity**

Endpoint: LC50: > 100 mg/l - Durata: 96 h

12.2 Persistence and degradability

Not available

12.3 Potential for bioaccumulation

Not bioaccumulative

12.4 Mobility in ground

Not available

12.5 Evaluation results PBT and vPvB

No PBT or vPvB

12.6 Other adverse effects

None

13 WASTE DISPOSALS**13.1 Waste treatment methods**

The residual product should be disposed of in compliance with the Directive on waste 2008/98 / EC as well as national and regional standards

