Review nr. 01 Date 16/06/2024

# **POLYPHOSPHATE SALT**

### 1 IDENTIFICATION OF PRODUCT AND COMPANY

## 1.1 Product identifier

Commercial name POLYPHOSPHATE CRYSTAL SALT/W 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

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

4.2

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

 $\begin{tabular}{ll} General informations: & no special measures required . \\ \end{tabular}$ 

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.

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)

### Material Safety Data Sheet

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#### 5. **FIRE FIGHTING MEASURES**

5.1 **Extinguishing** 

Extinguishing Media: Water, foam, CO2 or powder.

Special hazards arising from the substance or mixture 5.2

5.3 Advice for firefighters

None in particular

#### 6. **MEASURES IN CASE OF ACCIDENTAL RELEASE**

Personal precautions, protective equipment and procedures in case of emergency 6.1

Avoid coming into contact with the product without PPE.

**Environmental precautions** 6.2

Avoid spilling of the product.

Methods and materials for containment and cleaning 6.3

Collect avoiding dust formation .

Reference to other sections 6.4

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.

Conditions for safe storage, including any incompatibilities 7.2

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

solid white/trasparent appearance: a) odorless b) smell: olfactory threshold Not available c)

d) 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 flammability point Not inflammable g) **Evaporation rate** Not applicable h)

flammability (solid,gas) Not inflammable

i) upper limits / lower flammability or explosive Not applicable i) k) Vapor pressure Not applicable non applicabile I) Vapor density 2.58 @ 20.5 °C Relative density m) Solubility Very soluble n)

# **POLYPHOSPHATE SALT**

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o) distribution coefficient: n-octanol/waterp) Auto-ignition temperature

q) Decomposition temperature

r) viscosity

s) Explosive properties

t) Oxidant properties

9.2 Other informations
No fact available

Not applicable Not applicable

Not applicable Not explosive

It doesn't react with fuels

## 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
i) Specific target organ toxicity (STOT): repeated no fact available

exposure

j) Danger Aspiration : No fact available

## 12 ECOLIGICAL 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

# **POLYPHOSPHATE SALT**

### 14 TRANSPORT INFORMATIONS

14.1UN numberNot classified14.2UN shipment nameNot classified14.3Warning class/es related to transportNot classified14.4Packing groupNot classified

14.5 Environmental hazards No

14.6 Special precautions for user Not classified

14.7 Transport in bulk according to Annex II of Not relevant information

MARPOL and the IBC Code

### 15 REGULATORY INFORMATIONS

# 15.1 Laws and regulations on health, safety and specific for the substance or mixture

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), as amended

Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures, as amended

 $Legislative\ Decree\ 9\ April\ 2008\ no.\ 81\ Implementation\ of\ Article\ 1\ of\ Law\ August\ 3,\ 2007\ ,\ n\ .\ 123\ concerning\ the\ protection\ of\ health\ and\ safety\ in\ the\ workplace\ .\ 2008\ Official\ Gazette\ No.\ SO\ 108\ ,\ 30\ April\ 2008\ ,\ as\ amended$ 

### 15.2 Chemical Safety Assessment

Chemical Safety Assessment is not required .

### 16 OTHER INFORMATIONS

### 16.1 laws and regulations on health, safety and specific for the substance or mixture

a) Changes to previous version

First edition

### b) Key to abbreviations and acronyms used

ADR: European Agreement concerning the international road transport of dangerous goods .

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CLP: Classification , Labeling, Packaging.

DNEL: Derived level without effect.

EINECS: European Inventory of Existing Commercial Chemical Substances European .

IATA: Association for international air transport.

IMDG: International Maritime Code for Dangerous Goods .

LC50: Lethal concentration to 50 percent of test population .

LD50: Lethal dose to 50 percent of test population .

PNEC: Predicted No-Effect Concentration .

RID: Regulations concerning international carriage of dangerous goods by rail .

STE: Short- term exposure

STEL: Short Term Exposure Limit .

STOT: Organ - specific toxicity.

TLV: Threshold Limit Value

c) <u>bibliographical references and the main data sources</u>: SDS of the supplier

ECHA European Chemicals Agency

d) Evaluation method

Classification Classification procedure
Not classified as hazardous

e) <u>List of hazard in the section 3</u>

- -

Any appropriate training for workers

Lesson of progress about generic information risks to chemical agents.