

Safety Data Sheet

Regulation (EC) No.1907/2006 and No.1272/2008

Printing date 15.02.2023

Version number 1

Revision date 15.02.2023

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

- 1.1 Product identifier

- Trade name: Phenol Red Tablets

- Article number: RS111

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

- Application of the substance / the mixture: Detect the pH value in water

- 1.3 Details of the supplier of the safety data sheet

- Manufacturer/Supplier:

Qingdao Kingnod Group Co.,LTD.

No 11 zaoyuan road QingDao Shandong, China

Tel:86-15863099230

E-mail:kingnodchem@163.com

- Only Representative/ other EU contact point: Not available

- 1.4 Emergency telephone number:

IRELAND

National Poisons Information Centre

Tel: +353 (01) 809 2566 (For healthcare professionals)

+353 (01) 809 2166 (For public:8am - 10pm)

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture

- Classification according to Regulation (EC) No 1272/2008

The product is not classified according to the CLP regulation.

- Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of Regulation (EC) No.1272/2008.

- Classification system:

The classification is according to the latest edition of EU Regulation (EC) No.1272/2008, and extended by company and literature data

- 2.2 Label elements

- Labelling according to Regulation (EC) No 1272/2008 Not applicable

- Hazard pictograms Not applicable

- Signal word Not applicable

- Hazard-determining components of labelling: Not applicable

- Hazard statements Not applicable

- Precautionary statements Not applicable

- 2.3 Other hazards

- Results of PBT and vPvB assessment

- PBT: Not applicable.

- vPvB: Not applicable.

- Determination of endocrine-disrupting properties Not applicable

SECTION 3: Composition/information on ingredients

- 3.2 Mixtures

- Description:

For the wording of the listed hazard statements refer to Section 16.

Mixture of the substances listed below with nonhazardous additions.


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- Composition:		
CAS: 7647-14-5 EINECS: 231-598-3	sodium chloride	98.0%
CAS: 34487-61-1 EINECS: 252-057-8	sodium hydrogen 4,4'- (3H-2,1- benzoxathiol-3-ylidene) bisphenolate S,S-dioxide	2.0%
 Skin Irrit.2,H315;Eye Irrit.2,H319;STOT SE 3,H335		

SECTION 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:

Wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

- After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- After swallowing:

Rinse out mouth with water.

Never give anything by mouth to an unconscious person.

Seek medical treatment.

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

No further relevant information available.

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

No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media

- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

- 5.2 Special hazards arising from the substance or mixture

No further relevant information available.

- 5.3 Advice for firefighters

- Protective equipment:

Wear fully protective suit.

Mouth respiratory protective device.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes.

Avoid contact with skin.

Avoid formation of dust.

Ensure adequate ventilation.

Use respiratory protective device against the effects of fumes/dust/aerosol.

- 6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

- 6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

Dispose contaminated material as waste according to item 13.

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- 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.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling

- Avoid contact with eyes and skin.
- Ensure good ventilation/exhaustion at the workplace.
- Keep away from heat and direct sunlight.
- Prevent formation of dust.
- For the general occupational hygienic measures refer to Section 8.

- **Information about fire - and explosion protection:** Normal measures for preventive fire protection.

- 7.2 Conditions for safe storage, including any incompatibilities

- Requirements to be met by storerooms and receptacles:

- Store in a cool location.
- Protect from humidity and water.

- **Information about storage in one common storage facility:** Store away from foodstuffs.

- Further information about storage conditions:

- Store in cool, dry conditions in well sealed receptacles.
- Protect from heat and direct sunlight.

- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters

- Ingredients with limit values that require monitoring at the workplace:

- The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- **DNELs:** Data not available

- **PNECs:** Data not available

- **Additional information:** The lists valid during the making were used as basis.

- 8.2 Exposure controls

- **Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure**

- **Appropriate engineering controls** See Section 7 for information about design of technical facilities.

- Individual protection measures, such as personal protective equipment

- **Respiratory protection:** Suitable respiratory protective device recommended.

- **Hand protection**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. 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.

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- Material of gloves:

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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- 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/face protection

Goggles recommended during refilling.

- Body protection:

Protective work clothing

- Thermal hazards:

Not required for normal conditions of use.

- Environmental exposure controls:

Control measures must be made in accordance with Community environmental protection legislation.

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties	
- Physical state	Solid
- Colour	Orange
- Odour	Odorless
- Odour threshold	Data not available
- Melting point/freezing point	770 °C
- Boiling point or initial boiling point and boiling range	Data not available
- Flammability	Data not available
- Lower and upper explosion limit	
Lower	Data not available
Upper	Data not available
- Flash point	Data not available
- Auto-ignition temperature	Data not available
- Decomposition temperature	Data not available
- pH	Data not available
- Viscosity	
Kinematic viscosity	Data not available
Dynamic viscosity	Data not available
- Solubility	
water	Data not available
- Partition coefficient n-octanol/water (log value)	Data not available
- Vapour pressure	Data not available
- Density and/or relative density	
Density	Data not available
Relative density	Data not available
Vapour density	Data not available
- Particle characteristics	Data not available
- 9.2 Other information	
- Appearance	
- Form	Tablets
- Information with regard to physical hazard classes	
- Explosives	Not applicable

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- Flammable gases	Not applicable
- Aerosols	Not applicable
- Oxidising gases	Not applicable
- Gases under pressure	Not applicable
- Flammable liquids	Not applicable
- Flammable solids	Not applicable
- Self-reactive substances and mixtures	Not applicable
- Pyrophoric liquids	Not applicable
- Pyrophoric solids	Not applicable
- Self-heating substances and mixtures	Not applicable
- Substances and mixtures, which emit flammable gases in contact with water	Not applicable
- Oxidising liquids	Not applicable
- Oxidising solids	Not applicable
- Organic peroxides	Not applicable
- Corrosive to metals	Not applicable
- Desensitised explosives	Not applicable
- Other safety characteristics	Data not available

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No decomposition if used according to specifications.
- **10.2 Chemical stability** Stable under 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.

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

- **Acute toxicity** Based on available data, the classification criteria are not met.

- LD/LC50 values relevant for classification:

7647-14-5 sodium chloride

Oral	LD50	3,000 mg/kg (rat)
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- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT- single exposure** Based on available data, the classification criteria are not met.
- **STOT- repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

- 11.2 Information on other hazards

- Endocrine disrupting properties

None of the ingredients is listed.

- **Other information** No further relevant information available.

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SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.

- **12.2 Persistence and degradability** No further relevant information available.

- **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**
 - PBT:** Not applicable.
 - vPvB:** Not applicable.

- **12.6 Endocrine disrupting properties**
 - The product does not contain substances with endocrine disrupting properties.

- **12.7 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation:**
 - Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- **Uncleaned packaging**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- 14.1 UN number or ID number	
- ADR/RID/ADN, IMDG, IATA	Not applicable
- 14.2 UN proper shipping name	
- ADR/RID/ADN, IMDG, IATA	Not applicable
- 14.3 Transport hazard class(es)	
- ADR/RID/ADN, IMDG, IATA	
- Class	Not applicable
- Label	Not applicable
- 14.4 Packing group	
- ADR/RID/ADN, IMDG, IATA	Not applicable
- 14.5 Environmental hazards	
Not applicable	
- 14.6 Special precautions for user	
Not applicable	
- 14.7 Maritime transport in bulk according to IMO instruments	
Not applicable	
- 14.8 Transport/Additional information:	
Not dangerous according to the above specifications.	
- UN "Model Regulation":	
Not applicable	

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SECTION 15: Regulatory information

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

- Directive 2012/18/EU

- **Named dangerous substances - ANNEX I** None of the ingredients is listed.

- **REGULATION (EU) 2019/1021 on persistent organic pollutants (POP)**

None of the ingredients is listed.

- **Regulation (EU) No 649/2012**

None of the ingredients is listed.

- **REGULATION (EU) 2019/1148**

- **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

- **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

- **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

- **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

- **Other regulations, limitations and prohibitive regulations**

- **SVHC Candidate List of REACH Regulation Annex XIV Authorisation (17/1/2022)**

None of the ingredients is listed.

- **REACH Regulation Annex XVII Restriction (13/12/2021)**

See Section 16 for information about restriction of use.

None of the ingredients is listed.

- **REACH Regulation Annex XIV Authorisation List (23/11/2021)**

None of the ingredients is listed.

- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

- **Relevant hazard statements**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2020/878.

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Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Skin Irrit. 2: Skin corrosion/irritation - Category 2

Eye Irrit. 2: Serious eye damage/eye irritation - Category 2

STOT SE 3: Specific target organ toxicity (single exposure)- Category 3

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