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Section 1 Identification of the substance/mixture and the company

- 1.1 Product identifier **Phenol red**
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
- Use of substance Reagent for water analysis
- 1.3 Supplier WAPOTEC GmbH
Franz-Sauer-Strasse 44
A-5020 Salzburg
Tel: +43 662 434342-0
Fax: +43 662 434342-3
- Contact Mr. G. Weiss
Email: office@wapotec.at
- 1.4 Emergency phone +43 662 43 43 42-0
Office hours:
MO - TH: 8.00 - 16.00
FR: 8.00 - 12.00
- Toxicity information centre Vienna:**
Phone: +43 1 406 43 43
Available 0-24h



Section 2 Hazards identification

- 2.1 Hazard classification of substance or mixture
-  According to Directive (EC) N° 1272/2008
- Not applicable.
The product is not classified as dangerous.
- 2.2 Label elements
-  According to Directive (EC) 1272/2008
- Not applicable.
The product does not require hazard labeling according to Directive (EC) N° 1272/2008.
-  Danger defining components for labeling
- Not applicable.
- 2.3 Other hazards
- No further relevant information available.
-  Results of PBT and vPvB assessment
- This mixtures does not contain any substances that are assessed to be persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB),

according to the criteria given in Annexe XIII of Regulation (EC) No. 1907/2006.

Section 3 **Composition/information on ingredients**

- 3.2 Mixtures
- ⦿ Chemical characteristics
- Mixture of organic and inorganic compounds.
- ⦿ Dangerous ingredients
- None.
- ⦿ Additional information
- For the wording of the listed hazard phrases refer to section 16.

Section 4 **First-aid measures**

- 4.1 Description of first-aid measures
- Instantly remove any clothing soiled by the product.
- ⦿ After inhalation
- Supply fresh air.
- ⦿ After skin contact
- Instantly wash with plenty of water and soap and rinse thoroughly.
- ⦿ After eye contact
- Rinse opened eye for several minutes (at least 15 minutes) under running water.
If symptoms persist, consult doctor.
- ⦿ After ingestion
- Rinse out mouth and then drink 1-2 glasses of water.
In case of persistent symptoms, consult doctor.
- 4.2 Most important symptoms and effects, acute and delayed
- After ingestion of large amounts:
Sickness
Vomiting
- 4.3 Indications for immediate medical attention or special treatment needed
- No further relevant information available.

Section 5 **Fire-fighting measures**

- 5.1. Extinguishing media
- ⦿ Suitable extinguishing media
- Use fire fighting measures that suit the environment.
- 5.2 ⦿ Special hazards arising from the substance or mixture

The product is not combustible.
 Formation of toxic gases is possible during heating or in case of fire.
 Can be released in case of fire:
 Hydrogen chloride (HCl)



5.3 Advice for firefighters

Protective equipment:
 Wear self-contained breathing apparatus.
 Wear full protective suit.





Additional information

Collect contaminated fire fighting water separately. It must not enter drains.
 Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
 Ambient fire may liberate hazardous vapors.

Section 6 **Accidental release measures**

- 6.1 Personal precautions, protective equipment and emergency procedures
 Advice for non-emergency personnel: no special measures required.
 Advice for emergency responders: Protective equipment: see section 8.
- 6.2 Environmental precautions
 Do not allow product to reach sewage system or water bodies.
- 6.3  Methods and material for containment and cleaning up
 Ensure adequate ventilation.
 Collect mechanically.
 Dispose of contaminated material as waste according to section 13.
- 6.4  Reference to other sections
 See section 8 for information on personal protection equipment.
 See section 13 for information on disposal.

Section 7 **Handling and storage**

- 7.1  Precautions for safe handling
 Advice on safe handling
 No special precautions necessary if used correctly.
 Hygiene measures
 The usual precautionary measures should be adhered to general rules for handling chemicals.
 Wash hands during break and at the end of work.
 Do not eat, drink or smoke when using this product.
- 7.2 Conditions for safe storage including any incompatibilities
 Storage
 Requirements to be met by storerooms and containers

Store in cool location.

- Information about storage in one common storage facility

Not required.

- Further information about storage conditions

Store in cool, dry conditions in well sealed containers.

Protect from heat and direct sunlight.

Protect from the effects of light.

Store under dry conditions.

Protect from humidity and keep away from water.

This product is hygroscopic.

- Recommended storage temperature: 20°C +/-5°C

7.3

Specific end uses

No further relevant information available.



Section 8

Exposure controls and personal protection

8.1

Control parameters

- Components with limit values that require monitoring at the workplace.

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

- Additional information

The lists that were valid during the compilation were used as basis.

8.2

Exposure controls

- Engineering measures

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment. See section 7.

- Personal protective equipment

- Breathing equipment

Use breathing protection against the effects of dust/aerosol.

Recommended filter device for short term use: Filter P1

- Protection of hands

Preventive skin protection by use of skin-protecting agents is recommended.

After use of gloves apply skin-cleaning agents and skin cosmetics.

Material of gloves

Nitrile rubber, NBR

Recommended thickness of the material: $\geq 0,11$ mm

Penetration time of glove material:

Value for the permeation: Level ≥ 1 (<10 min)

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- Eye protection

Safety glasses against the effects of fumes / dust.

☉ Body protection

Protective work clothing.

☉ Limitation and supervision of exposure into the environment

Do not allow product to reach sewage system or water bodies.



Section 0

Physical and chemical properties

9.1	Information on basic physical and chemical properties	
	Appearance	Tablets
	Colour	Orange
	Odour	Odourless
	Odour threshold	Not applicable
	pH (12.8 g/l) at 20 °C)	5.1
	Melting point / Freezing point	Not determined
	Boiling point / Boiling range	Not determined
	Flash point	Not applicable
	Flammability (solid, gaz)	Product is not combustible.
	Decomposition temperature	Not applicable
	Auto-ignition temperature	Product is not self-igniting.
	Explosive properties	Product is not explosive.
	Upper explosion limit	Not applicable
	Lower explosion limit	Not applicable
	Oxidizing properties	None
	Vapor pressure	Not applicable
	Density at 20 °C	2.16g/cm ³
	Relative density	Not determined
	Vapour density	Not applicable
	Evaporation rate	Not applicable
	Solubility in water	Soluble
	Partition coefficient: n-octanol-water	Not applicable
	Viscosity	Not applicable
	Solvent content:	
	Solid content:	100,0%
	Organic solvents:	0,0%
9.2.	Other information	

No further relevant information available.

Section 10 Stability and reactivity

- 10.1 Reactivity
See section 10.3.
- 10.2 Chemical stability
Stable at ambient temperature (room temperature).
- 10.3 Possibility of hazardous reactions
Reacts with acids, alkalis and oxidizing agents.
→ Forms heat.
- 10.4 Conditions to avoid
No further relevant information available.
- 10.5 Incompatible materials
No further relevant information available.
- 10.6 Hazardous decomposition products
See section 5.

Section 11 Toxicological information

- 11.1 Information on toxicological effects
- Acute toxicity
Based on available data, the classification criteria are not met.
 - LD/LC50 values that are relevant for classification
The following statements refer to the individual components.

CAS: 7647-14-5 Sodium chloride		
Oral	LD50	3000 mg/kg (rat) (RTCES)
Dermal	LD50.	12 mg/kg (child)
	LD50.	> 10000 mg/kg rabbit) (RTCES)

- Primary irritant effect
- Skin corrosion/irritation

Based on available data, the classification criteria are not met.

- Serious eye damage/eye irritation

Information on components:		
CAS: 7647-14-5 Sodium chloride		
Irritation of skin	OECD 404	(rabbit: no irritation) (ECHA)
Irritation of eyes	OECD 405	(rabbit: no irritation) (ECHA)

Respiratory/skin sensitisation

Based on available data, the classification criteria are not met.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

The following statements refer to the mixture.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Cancerogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT (specific target organ toxicity) – single exposure

Based on available data, the classification criteria are not met.

STOT (specific target organ toxicity) – repeated exposure

Based on available data, the classification criteria are not met..

Aspiration hazard

Based on available data, the classification criteria are not met.

Additional toxicological information

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.



Section 12 Ecological information

12.1 Toxicity

Aquatic toxicity

CAS: 7647-14-5 Sodium chloride	
EC50	1000 mg/l/48h (Daphnia magna) (IUCLID)
LC50	7650 mg/l/96h (fathead minnow)

Bacterial toxicity

Sulphates toxic >2.5 g/l

Other information

Toxic for fish:
Sulphates >7 g/l

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulation potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

12.5 Results of PBT- and vPvB-assessment

This mixture does not contain any substances that are assessed to be persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB), according to the criteria given in: Annex XII of Regulation (EC) No. 1907/2006.

12.6 Other adverse effects

Avoid transfer into the environment.

 Water hazard

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

Must not reach sewage water or drainage ditch undiluted or unneutralized.

Section 13 Disposal considerations

13.1 Waste treatment methods

 Recommendation

Must not be disposed of together with household garbage.

Do not allow product to reach sewage system.

Disposal must be made according to official regulations.

 European waste catalogue

16 05 09 Discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08

 Contaminated packaging material

Recommendation: Disposal must be made according to official regulations.

Recommended cleaning agent: Water, if necessary with cleaning agent.

Section 14 Transport information

No dangerous good according to regulation for transport of dangerous goods.

14.1 UN-Number

ADR, RID, AND, IMDG, IATA: Void

14.2 Proper UN-shipping name

ADR, RID, AND, IMDG, IATA: Void

14.3 Transport hazard class

ADR, RID, AND, IMDG, IATA: Class Void

14.4 Packing group

ADR, RID, AND, IMDG, IATA: Void

14.5 Environmental hazards

Not applicable.





- 14.6 Special precautions for the user
Not applicable.
- 14.7 Transport in bulk according to Annex II of MARPOL and according to IBC-Code
Not applicable.

Section 15 Regulatory information

- 15.1 Safety-, health-, environmental regulations / legislation specific for the substance or mixture
-  Regulation (EC) No 1005/2009 on substances that deplete the ozone layer
None of the ingredients is listed.
 -  Directive (EC) 2012/18/EU (SEVESO III): Named dangerous substances – ANNEX I
None of the ingredients is listed.
 -  Regulation (EC) No 649/2012
None of the ingredients is listed.
 -  Information about limitation of use
Not required.
- 15.2 Chemical safety assessment
A chemical safety assessment has not been carried out.

Section 16 Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- | | |
|--|---|
|  Training hints | Provide adequate information, instruction and training for operators. |
|  Edition | Replaces previous versions |
|  Written by | WAPOTEC GmbH |
|  Short cut | PBT persistent, bio-accumulative, toxic
STOT specific target organ toxicity
vPvB high persistent, high bio-accumulative |