



Safety Data Sheet

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

Version No.: 1.0

Printing Date: December 27, 2024

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SDS REPORT

Kelilong Electron Co. Ltd

NO.60 Xing Ye Middle Road, Fuan 355019, Fujian, China

SDS Report No. : CTL2412255013-Q
Compilation Date : December 27, 2024
Trade Name : pH Buffer Powder (PH9.18)
Composition/Ingredient of The Sample : See Section 3 on the SDS
Service Requested : Safety Data Sheet (SDS) for the sample with submitted composition.
Summary : As per request, the contents and formats of the SDS are prepared in accordance with Regulation (EC) No 1907/2006, its amendment Regulation (EU) No 2020/878, (EC) No 1272/2008 and are provided per attached.

As of the issuance date of this report, the original report CTL2401125022-Q will be invalid.

Signed for and on behalf of

Technical Center:



Shenzhen CTL Testing Technology Co., Ltd.

Zone A, 1st Floor, Warehouse 2, Baisha Logistics Company, No. 3011 Shahe West Road, Nanshan District, Shenzhen 518055

Tel: +86-755-89486194 E-Mail: ctl@ctl-lab.com Website: www.ctl-lab.com

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Trade Name: pH Buffer Powder (PH9.18)

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

1.1 Product identifier

- Trade name: pH Buffer Powder (PH9.18)
- EC No: 215-540-4
- CAS No: 1303-96-4
- Index No.: 005-011-01-1
- REACH Registration No.: No data available

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

- Application of the substance/ mixture: Calibrate pH meter.
- Uses advised against: No data available
- Reason why uses advised against: No data available

1.3 Details of the supplier of the safety data sheet

Supplier:

Kelilong Electron Co. Ltd

NO.60 Xing Ye Middle Road, Fuan 355019, Fujian, China

Tel: 0593-6550588

Fax: 0593-6551718

Email: kelilong@1718cn.com

- Only Representative/other EU contact point: Information not available

- Further information obtainable from: Kelilong Electron Co. Ltd

1.4 Emergency telephone number

| Country | Official advisory body | Address | Emergency number | Remark |
|----------|---|--|------------------|--|
| Austria | Vergiftungsinformationszentrale (Poisons Information Centre) | Stubenring 6 1010 Wien | +43 1 406 43 43 | |
| Belgium | Centre Anti-Poisons/ Antigifcentrum c/o Hôpital Central de la Base - Reine Astrid | Rue Bruyn 1 B -1120 Bruxelles/Brussel | +32 70 245 245 | Please dial: 070 245 245 for any urgent questions about intoxication (free of charge 24/7), if not accessible, dial: 02 264 96 30 (standard fee) |
| Bulgaria | Национален токсикологичен информационен център (National Toxicological Information Centre) Многопрофилна болница за активно лечение и спешна | 21 Tottleben Boulevard 1606 SOFIA | +359 2 9154 409 | |

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| | | | | |
|-------------------|--|---|--------------------------------------|---|
| | медицина "Н.И.Пирогов" (National Clinical Toxicology Centre), Emergency Medical Institute "Pirogov" | | | |
| Croatia | Centar za kontrolu otrovanja Institut za medicinska istraživanja i medicinu rada | Ksaverska Cesta 2 p.p. 291 10000 Zagreb | +385 1 234 8342 | |
| Cyprus | Κέντρον Δηλητηριάσεων | | 1401 | Operating hours 24 hours / 24 hours, 7 days a week |
| Czech Republic | Toxikologickéinformačnístředisko KlinikapracovníholékařstvíVFN a I. LF UK | Na Bojišti 1 120 00 Praha 2 | +420 224 919 293 +420 224 915 402 | |
| Denmark | Giftlinjen Bispebjerg Hospital | Bispebjerg Bakke 23 2400 København NV | +45 82 12 12 12 | |
| Estonia | Mürgistusteabekeskus | Gonsiori 29 15027 Tallinn | 16662 +372 626 93 90 | |
| Finland | Myrkytystietokeskus | Stenbäckinkatu 9 PO BOX 100 29 Helsinki | +358 9 471 977 +358 9 4711 | |
| France | Centre Antipoison et de Toxicovigilance de Paris Hôpital Fernand Widal | 200 rue du Faubourg Saint-Denis 75475 Paris Cedex 10 | +33 1 40 05 48 48 | |
| France | Centre Antipoison et de Toxicovigilance de Marseille Hôpital Sainte Marguerite | 270 boulevard de Sainte Marguerite 13274 Marseille Cedex 09 | +33 4 91 75 25 25 | |
| Germany | Giftnotruf München Toxikologische Abteilung der II. Med. Klinik und Poliklinik rechts der Isar der Technischen Universität München | Ismaninger Straße 22 81675 München | +49 (0) 89 19240 | |
| Germany | Giftnotruf der Charité CBF, Haus VIII (Wirtschaftsgebäude), UG | Hindenburgdamm 30 12203 Berlin | +49 (0) 30 19240 | |
| Greece | Poisons Information Centre Children's Hospital P&A Kyriakou | 11762 Athens | +30 2 10 779 3777 | |
| Hungary | Országos Kémiai Biztonsági Intézet Egészségügyi Toxikológiai Tájékoztató Szolgálat | Nagyvárad tér 2. 1437 Budapest, Pf. 839 1097 Budapest | +36 80 20 11 99 | |
| Iceland | Eitrunarmiðstöð Landspítali | Fossvogi 108 Reykjavik | +354 543 22 22 | |
| Ireland | National Poisons Information | PO Box 1297 | +353 1 809 2566 | |

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| | | | | |
|-------------|--|--|---|---|
| | Centre Beaumont Hospital | Beaumont Road 9 Dublin | (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7) | |
| Italy | Centro Antiveleni Dipartimento di Tossicologia Clinica, Universita Cattolica del Sacro Cuore | Largo Agostino Gemelli 8 168 Roma | +39 06 305 4343 | |
| Latvia | Valsts Toksikoloģijas centrs, Saindēšanās un zāļu informācijas centrs | Hipokrāta 2 1038 Rīga | +371 67 04 24 73 | |
| Lithuania | Apsinuodijimų informacijos biuras | Birutės g. 56 8110 Vilnius | +370 5 236 20 52 +370 687 53378 | |
| Luxembourg | Centre Anti-Poisons/ Antigifcentrum c/o Hôpital Central de la Base - Reine Astrid | Rue Bruyn 1 1120 Bruxelles/Brussel | +352 8002 5500 | |
| Malta | Medicines & Poisons Info Office | Mater Dei Hospital MSD Msida | +356 2545 6504 | |
| Netherlands | Nationaal Vergiftigingen Informatie Centrum Universitair Medisch Centrum Utrecht, Het Nationaal Vergiftigingen Informatie Centrum (NVIC) informeert (dieren-) artsen, apothekers en andere professionele hulpverleners over de mogelijke gezondheidseffecten en behandelingsmogelijkheden bij vergiftigingen. Het NVIC is hiervoor dag en nacht bereikbaar, zowel telefonisch als via internet | Huispostnummer B.00.118 PO Box 85500 3508 GA Utrecht | +31 30 274 88 88 | Only for thepurpose of informing medical personnel in cases of acute intoxications |
| Norway | Giftinformasjonene Helsedirektoratet | P.O. Box 7000 St. Olavs Plass 130 Oslo | +47 22 591300 | |
| Poland | National Poisons Information Centre The Nofer Institute of Occupational Medicine (Łódź) | ul. Teresy 8 P.O. BOX 199 90950 Łódź | +48 42 63 14 724 | |
| Portugal | Centro de InformaçãoAntivenenosInstituto Nacional de Emergência Médica | Rua Almirante Barroso, 36 1000-013 Lisboa | +351 808 250 143 | |
| Romania | Department of Clinical Toxicology Spitalul de UrgentaFloreasca | Calea Floreasca Bucuresti | +40 21 230 8000 | |

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| | | | | |
|----------------|--|---|--|---|
| Serbia | Nacionalni centar za kontrolu trovanja - VMA | Crnotravska 17 11000 Beograd | +381 11 360 84 40 (24h) +381 11 3672 187 | |
| Slovakia | Národné toxikologické informačné centrum Univerzitná nemocnica Bratislava, pracovisko Kramáre, Klinika pracovného lekárstva a toxikológie | Limbová 5 833 05 Bratislava | +421 2 54 77 41 66 | |
| Slovenia | Center za kliničnotoksikologijo in farmakologijo Internaklinika, UKCL | Zaloška cesta 7 1525 Ljubljana | +386 41 650 500 | |
| Spain | Servicio de Información Toxicológica Instituto Nacional de Toxicología y Ciencias Forenses, Departamento de Sevilla | Carretera de San Jerónimo Km 0,4 41080 Sevilla | +34 91 562 04 20 | (Toxicological emergencies only). Information in Spanish (24/7) |
| Spain | Servicio de Información Toxicológica Instituto Nacional de Toxicología y Ciencias Forenses, Departamento de Madrid | C/José Echegaray nº4 28232 Las Rozas de Madrid | +34 91 562 04 20 | (Toxicological emergencies only). Information in Spanish (24/7) |
| Sweden | Giftinformationscentralen | Box 60 500 171 76 Stockholm | 112 – begär Giftinformation +46 10 456 6700 (Från utlandet) | |
| Switzerland | Tox Info Suisse | Freiestrasse 16 8032 Zürich | 145 | (from abroad: +41 44 251 51 51) non urgent inquiry: +41 44 251 66 66 |
| United Kingdom | National Poisons Information Service (Belfast Centre) Royal Victoria Hospital | Grosvenor Road BT12 6BA Belfast | 0344 892 0111 | Only for the purpose of informing medical personnel in cases of acute intoxications |

SECTION 2: Hazards identification

• 2.1 Classification of the substance or mixture

• 2.1.1 Classification according to regulation (EC) 1272/2008:

| Regulation (EC) No 1272/2008 [CLP] | Classification procedure |
|------------------------------------|--------------------------|
| Eye Irrit. 2, H319 | Calculation method |

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Repr. 1B, H360FD

Minimum classification

2.1.2 Additional information:

For full text of Hazard- and EU Hazard-statements: see SECTION 16.

2.2 Label elements• **Labeling according to Regulation (EC) No 1272/2008:** The product is labelled according to CLP Regulation.**Hazard pictograms:**

GHS07 GHS08

• **Signal word:** Danger**Hazard statements:**

H319 Causes serious eye irritation

H360FD May damage fertility or the unborn child

Precautionary statement:

P201 Obtain special instructions before use.

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

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P308 + P313 IF exposed or concerned: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

Borax meets the criteria for PBT/vPvB in accordance with Annex XIII.

Substance was not identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100

SECTION 3: Composition/information on ingredients**3.1 Substance**

| Substance name | CAS No. | Index No | EC No. | Weight % | SCL/ M-factor/ ATE |
|----------------|-----------|--------------|-----------|----------|---------------------------------------|
| Borax | 1303-96-4 | 005-011-01-1 | 215-540-4 | 100 | Repr.1B; H360FD: C _≥ 8.5 % |

3.2 Mixture

Not applicable

SECTION 4: First aid measures**4.1 Description of first aid measures****General advice:** IF exposed or concerned: Get medical advice/attention.**After inhalation:** Supply with fresh air. Get medical advice/attention if feel unwell.**After skin contact:** Wash skin with water. If skin irritation occurs: Get medical advice/attention.**After eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.**After swallowing:** Rinse mouth. Call a POISON CENTRE/doctor if you feel unwell.

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Trade Name: pH Buffer Powder (PH9.18)**• 4.2 Most important symptoms and effects, both acute and delayed:**

Causes serious eye irritation and damage fertility or the unborn child.

• 4.3 Indication of any immediate medical attention and special treatment needed:

Thoroughly rinse contaminated eyes, alleviation of pain as needed. Check/further treatment by an ophthalmologist should take place as soon as possible.

SECTION 5: Fire-fighting measures

• 5.1 Extinguishing media

• **Suitable extinguishing agents:** Not flammable powder, use the suitable extinguishing agents surrounding condition.

• **Unsuitable extinguishing media:** Not applicable.

• 5.2 Special hazards arising from the substance or mixture: Form irritant dust in air.**• 5.3 Advice for firefighters**

Protective equipment: Wear self-contained breathing apparatus and special tightly sealed suit (Comply with EN 133).

SECTION 6: Accidental release measures

• 6.1 Personal precautions, protective equipment and emergency procedures**• 6.1.1 For non-emergency personnel**

Protective equipment: Protective gloves/ protective clothing/ eye protection/ face protection/ dust mask.

Emergency procedures: Evacuate immediately; Avoid breathing dust; Avoid contact with eyes and skin.

• 6.1.2 For emergency responders

Personal protective equipment: Protective gloves/ protective clothing/ eye protection/ face protection/ dust mask.

• 6.2 Environmental precautions:

Prevent further leakage or spillage if safe to do so; Prevent spillage from entering drains, sewer, basement or confined areas; if the spillage contaminates rivers, lakes or drains inform respective authorities.

• 6.3 Methods and material for containment and cleaning up:

Vacuum, shovel or sweep up and place in containers for disposal in accordance with applicable local regulations.

• 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 in formation.

SECTION 7: Handling and storage

• 7.1 Precautions for safe handling:

Ensure good ventilation at workplace; Avoid breathing dust; Wear protective gloves/ protective clothing/ eye protection/ face protection; Prevent contact with eyes and skin.

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

• 7.2 Conditions for safe storage, including any non-compatibility

• **Requirements to be met by storerooms and receptacles:** Store in a dry and well-ventilated place.

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- **Information about storage in one common storage facility:** Keep away from acid and alkali.
- **Further information about storage conditions:** Keep the condition dry.
- **Storage class:** 13
- **7.3 Specific end use(s):** See section 1.2.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**

| Country | Limit value - Eight hours | Limit value - Short term |
|----------------|--|---|
| Belgium | 2 mg/m ³ | 6 mg/m ³ |
| Denmark | 2 mg/m ³ | 4 mg/m ³ |
| France | 5 mg/m ³ | - |
| Germany (DFG) | 0,75 mg/m ³ inhalable aerosol; Calculated as boron | 0,75 mg/m ³ inhalable aerosol; Calculated as boron; 15 minutes average value. |
| Ireland | 5 mg/m ³ | - |
| Poland | 0.5 mg/m ³ | 2 mg/m ³ |
| Spain | 2 mg/m ³ | 6 mg/m ³ |
| United Kingdom | 5 mg/m ³ | - |

- **DNELs:**

| DNEL type | | DNEL worker value | DNEL consumer value |
|------------------|----------------------------------|-----------------------|-----------------------|
| Systemic effects | Long-term, inhalation exposure | 6.7 mg/m ³ | 3.4 mg/m ³ |
| | Long-term, dermal exposure | - | 159.5 mg/kg bw/day |
| | Long-term, oral exposure | - | 790 µg/kg bw/day |
| | Acute /short term, oral exposure | - | 790 µg/kg bw/day |

- **PNECs:**

| PNEC type | Value |
|------------------------------------|-------------------|
| Freshwater | 2.9 mg/L |
| Intermittent releases (freshwater) | 13.7 mg/L |
| Marine water | 2.9 mg/L |
| Sewage treatment plant (STP) | 10 mg/L |
| Soil | 5.7 mg/kg soil dw |

- **Additional information:** The lists valid during the marking 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:**

Handle in accordance with good industrial hygiene and safety practice; Wash hands and face before breaks and at the end of work;
See section 7 for information about design of technical facilities.

- **Personal protective equipment**

- **Eye/Face protection::**

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**Safety glasses**

Protective goggles with side-shields.

- Skin protection
- Hand protection:

**Protective gloves**

Gloves made from butyl rubber Neoprene™ rubber, nitrile rubber (thickness > 0.11mm; breakthrough times up to 480 minutes)

- Respiration protection: Dust mask is necessary.
- Thermal hazards: Not special requirements.
- 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 | Powder |
| • Color | White |
| • Odor & Odor threshold | Odorless |
| • Melting point/freezing point | 742°C |
| • Boiling point or initial boiling point and boiling range | The substance decomposes when heated. |
| • Flammability | Not flammable solid |
| • Lower and upper explosion limit | Not determined |
| • Flash point | Not applicable |
| • Auto-ignition temperature | Not applicable |
| • Decomposition temperature | 1575°C |
| • pH | 9.18 (25g/l at 20°C) |
| • Kinematic viscosity (mm ² /s) | Not applicable |
| • Solubility | 25.6 g/l at 20°C |
| • Partition coefficient n-octanol/water (log value) | -1.53 |
| • Vapor pressure | Not applicable |
| • Density and/or relative density | 2.37g/cm ³ at 20°C |
| • Relative vapor density | Not applicable |
| • Particle characteristics | Not determined |

9.2 Other information

9.2.1 Information with regard to physical hazard classes:

| | |
|-------------------|----------------|
| • Explosives | Not applicable |
| • Flammable gases | Not applicable |
| • Aerosols | Not applicable |
| • Oxidising gases | Not applicable |

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| | |
|---|----------------|
| • 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 |
| • Oxidizing liquids | Not applicable |
| • Oxidizing solids | Not applicable |
| • Organic peroxides | Not applicable |
| • Corrosive to metals | Not applicable |
| • Desensitised explosives | Not applicable |
| • 9.2.2 Other safety characteristics | |
| • Mechanical sensitivity | Not applicable |
| • Self-accelerating polymerisation temperature | Not applicable |
| • Formation of explosible dust/air mixtures | Not applicable |
| • Acid/alkaline reserve | Not determined |
| • Evaporation rate | Not applicable |
| • Miscibility | Not determined |
| • Conductivity | Not determined |
| • Corrosiveness | Not determined |
| • Gas group | Not applicable |
| • Redox potential | Not applicable |
| • Radical formation potential | Not applicable |
| • Photocatalytic properties | Not applicable |
| • Other physical and chemical parameters | Not determined |

SECTION 10: Stability and reactivity

- **10.1 Reactivity:** No decomposition if used according to specification.
- **10.2 Chemical stability:** Stable under recommended storage conditions.
- **10.3 Possibility of hazardous reactions:** No known hazardous reaction.
- **10.4 Conditions to avoid:** No special avoid condition.
- **10.5 Incompatible materials:** Strong acid.
- **10.6 Hazardous decomposition products:** No known hazardous decomposition products.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**

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

LD50/LC50 values relevant for classification:

| | | |
|------------|-----------|-----------|
| Rat | LD50-oral | 2660mg/kg |
| Mouse | LD50-oral | 2000mg/kg |
| Guinea pig | LD50-oral | 5330mg/kg |

• **Skin corrosion/irritation:** Based on available data, the classification criteria are not met.

• **Serious eyes damage/ irritation:** Causes serious eye irritation.

• **Respiratory or skin sensitization:** 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:** May damage fertility or the unborn child.

• **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**11.2.1 Endocrine disrupting properties:**

Substance was not considered to have endocrine-disrupting properties with respect to humans as it meets the criteria set out in section A of Regulation (EU) No 2017/2100.

11.2.2 Other information: No known other relevant information on adverse health effects.

SECTION 12: Ecological information**• 12.1 Toxicity**

| | |
|--|---|
| Short-term toxicity to fish | LC50 (4 days) 74 - 79.7 mg/L |
| Long-term toxicity to fish | NOEC (34 days) 6.4 mg/L LOEC (32 days) 23 mg/L |
| Short-term toxicity to aquatic invertebrates | LC50 (4 days) 64 - 544 mg/L NOEC (4 days) 103 mg/L |
| Long-term toxicity to aquatic invertebrates | NOEC (28 days) 16.6 - 43.3 mg/L |
| Toxicity to aquatic algae and cyanobacteria | EC50 (72 h) 40.2 - 66 mg/L |
| Toxicity to aquatic plants other than algae | NOEC (10 days) 6.5 mg/L |
| Toxicity to microorganisms | NOEC (72 h) 10 - 20 mg/L |
| Sediment toxicity | NOEC (28 days) 20 - 43 mg/L |

• **12.2 Persistence and degradability:** No available data.

• 12.3 Bio-accumulative potential:

| | | |
|-----------|-------|----------------|
| 1303-96-4 | Borax | Log Pow= -1.53 |
|-----------|-------|----------------|

• **12.4 Mobility in soil:** No available data.

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Trade Name: pH Buffer Powder (PH9.18)**12.5 Results of PBT and vPvB assessment**

According to the results of its assessment, this substance is a PBT.

Borax may damage fertility or the unborn child.

12.6 Endocrine disrupting properties:

This substance does not have endocrine disrupting properties with respect to non-target organisms as it does not meet the criteria set out in section B of Regulation (EU) No 2017/2100.

12.7 Other adverse effects: No known other adverse effects.**12.8 Additional ecological information****General notes:** WGK 1 (German Regulation) (self-assessment): Low hazardous for water.

Do not allow large quantities of the product to reach ground water, water course or sewage system.

SECTION 13: Disposal consideration**13.1 Waste treatment methods****Recommendation:** Must not be disposed together with household garbage.**13.2 Un-cleaned packaging****Recommendation:** Dispose of contents/container in according to the local regulation.**SECTION 14: Transport information****14.1 UN-Number**

ADR, RID, ADN, IMDG, IATA

Not regulated as dangerous transport goods, not applicable

14.2 UN proper shipping name

ADR, RID, ADN, IATA, IMDG

Void

14.3 Transport hazard class (es)

ADR, RID, ADN, IATA, IMDG

Class

Void

Label

Void

14.4 Packing group

ADR, RID, ADN, IMDG, IATA

Void

14.5 Marine pollution

No

14.6 Special precautions for user• **Danger code (Kemler)**

Void

• **EMS number**

Void

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Void

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****MAK (German Maximum Workplace Concentration):** Not listed.**Directive 2012/18/EU**

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- **Named dangerous substances-ANNEX I:** Not listed.
- **Seveso category:** Not applicable
- **Qualifying quantity (tonnes) for the application of lower-tier requirements:** Not applicable
- **Qualifying quantity (tonnes) for the application of upper-tier requirements:** Not applicable
- **National regulations.**
- **Water hazard class:** WGK 1 (German Regulation) (self-assessment): Low hazardous for water.
- **Other regulations, limitations and prohibitive regulations**
- **SVHC Candidate list of REACH Regulation Annex XIV Authorization:**

1303-96-4

Borax

Toxic for reproduction (Article 57c)

- **REACH Regulation Annex XVII Restriction:** Not listed.
- **REACH Regulation Annex XIV Authorization List:** Not listed.
- **15.2 Chemical safety assessment:** A Chemical Safe Assessment has not been carried out.

SECTION 16: Other information

- **16.1 Indication of changes:** Not applicable
- **16.2 Abbreviations and acronyms:**

ADR: Accord européen sur le transport 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.

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

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

PBT: Persistent, Bio accumulative and Toxic

SVHC: Substance of Very High Concern

LD50: Lethal dose, 50 percent

LC50: Lethal concentration, 50 percent

Eye Irrit. 2: Eye damage/irritation, hazard category 2

Repr. 1B: Reproductive toxicity, hazard category 1B
- **16.3 Key literature references and sources for data**

<https://echa.europa.eu/>

<https://chem.nlm.nih.gov/>

<https://www.osha.gov/>

<http://www.unece.org/>

<http://www.imo.org/>

<https://www.dguv.de/>

<https://epa.govt.nz/>

<http://www.ilo.org/>

<https://www.phmsa.dot.gov/>
- **16.4 Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]:**
See SECTION 2.1 (classification)

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

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Trade Name: pH Buffer Powder (PH9.18)**· 16.5 Relevant H- and EUH-phrases (number and full text):***H319 Causes serious eye irritation**H360FD May damage fertility or the unborn child***· 16.6 Training advice:***Workers must be educated and trained so they can read SDS understand the hazards, and know how to work safely with hazardous products.***· 16.7 Further information***The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, its amendment Regulation (EU) No 2020/878 and (EC) No 1272/2008.***DISCLAIMER OF LIABILITY:***The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.*

End of safety data sheet