



清远瑞华助剂有限公司

QING YUAN RUIHUA TEXTILE AUXILIARY CO.LTD

NO.M1-05c YINGFU INDUSTRIAL AREAS ANFENG INDUSTRIAL PARK HIGH AND NEW TECHNOLOGY
INDUSTRIAL DEVELOPMENT ZONE QINGYUAN CITY GUANGDONG CHINA 511518
TEL: 020-32290858 FAX: 0763-3151156

Material Safety data sheet according to Regulation (EC) No. 1907/2006

Date of Revised: 26.09.2017

Version: 1.0

Product name: King One Bath Agent ES

Date of print: 26.09.2017

MATERIAL SAFETY DATA SHEET

1. Identification of substance /Preparation and producer information

- 1.1 Product denomination: King One Bath Agent ES
1.2 Trade name: King One Bath Agent M7S/ES-1
1.3 For textile industries: Used as Dyeing auxiliary
1.4 Manufacturer / Supplier : Qingyuan Ruihua Textile Auxiliary Co., Ltd.
1.5 Information Department : Tel: 0086- 20-32290858
Fax: 0086- 763-3151156 Email: gaojun168888@126.com
Emergency Information: 0086- 20-32290858 PC: 511518

2. Hazards identification

2.1 Hazard designation:

Globally Harmonized System, EU (GHS)

Pictogram:



Signal Word:

Warning

Hazard Statement:

H319 Causes serious eye irritation

Precautionary Statements (Prevention):

P280d Wear eye/face protection.

P264 Wash with plenty of water and soap thoroughly after handling

2.2 Information pertaining to particular dangers for man and environment: None

3. Composition/Information on Ingredients

3.1 Chemical characterization:

Fixing agent for cotton

3.2 Main substance:

A: Sodium sulfate CAS: 7757-82-6

B: Sodium carbonate CAS: 497-19-8

C: Ethene, homopolymer CAS: 9002-88-4



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D: Polyethylene glycol CAS: 25322-68-3

3.3 Description: Powder

3.4 Dangerous components: None

4. First aid measures

4.1 General information: No special measures required.

4.2 After inhalation : Supply fresh air; consult doctor in case symptoms.

4.3 After skin contact: Immediately wash with water and soap and rinse thoroughly.

4.4 After eye contact: Rinse opened eye for several minutes under running water.

4.5 After swallowing: In case of persistent symptoms consult doctor.

5. Fire fighting measures

5.1 Suitable extinguishing agents: Water spray jet, extinguishing powder, CO₂, foam.

5.2 Unsuitable extinguishing agents for reasons of safety: None

5.3 Special hazards caused by the material: None

5.4 Can be released in case of fire: its products of combustion or flue gases
Nitrogen oxides (NO_x), Carbon monoxide (CO).

5.5 Protective equipment : Put on breathing apparatus.

6. Accidental release measures

6.1 Personal safety precautions: Wear personal protective equipment.

6.2 Measures for environmental Protection: Prevent from spreading (e.g. by damming in or oil barriers).

Should not be discharged into water courses without prior treatment (biological purification plant).

6.3 Measures for cleaning / collecting: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Smaller amounts of contaminated binding material can be disposed off together with usual household wastes.

7. Handling and storage

7.1 Handling: Ensure good exhaust ventilation at the workplace.

7.2 Information for safe handling : No special measures required.

7.3 Information about protection against explosion and fire: No special measures required.

7.4 Storage: No special measures required.

7.5 Requirements to be met by storerooms and containers
Keep containers tightly closed.



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- 7.6 Information about storage in a common storage facility: None
- 7.7 Further information about storage conditions: Protect from heat and direct sunlight.
- 7.8 Storage class: None
- 7.9 Classification according to regulation on inflammable liquids (VbF): None
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8. Exposure controls and personal protection

- 8.1 Additional information about design of technical systems:
No further data : see item 7.
- 8.2 Components with critical 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.
- 8.3 Additional information: Information valid at the time of review of safety data sheet.
- 8.4 Personal protective equipment : Not required
- 8.5 General protective and hygienic measures: The usual precautionary measures should be adhered in handling the chemicals.
- 8.6 Respiratory protection: Not required.
- 8.7 Protection of hands: Protective gloves.
- 8.8 Eye protection: Safety glasses recommended during refilling.
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9. Physical and chemical properties

- 9.1 Form: powder
- 9.2 Colour: white
- 9.3 Odour: none
- 9.4 Change in condition: Not determined
- 9.5 Melting point / Melting range: Not determined
- 9.6 Boiling point / Boiling range: N.a
- 9.7 Flash point: > Not determined
- 9.8 Inflammability (solid, gaseous): Product is not inflammable.
- 9.9 Self-inflammability: Product is not self-igniting.
- 9.10 Danger of explosion: Product is not explosive
- 9.11 Solid content by R.I.: Approx. 100%
- 9.12 Solubility in / Miscibility with Water: Fully miscible
- 9.13 PH-value : 12±1
- 9.14 Ion: nonionic
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10. Stability and reactivity

- 10.1 Conditions to be avoided: No decomposition if used according to specifications.
- 10.2 Minimum shelf life: 12 months from production date.
- 10.3 Dangerous reactions: No dangerous reactions known.



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10.4 Dangerous products of decomposition: None, if storage and handling is done according to specification

11. Toxicological information

11.1 Acute toxicity: Without toxicity

11.2 LD/LC50 values that are relevant for classification

Rat oral > 500 mg/kg OECD 203

11.3 Primary irritant effect

11.4 On the skin: No irritant effect

11.5 Sensitization: No irritant effect

11.6 Additional toxicological information: No irritant effect

12. Ecological information

12.1 Information about elimination (persistence and degradability)

12.2 Method: OECD 302B (Zahn-Wellens-Test), 28 d

COD-elimination

12.3 Ecotoxicological effects: Friendly to the nature (biodegradable)

12.4 Aquatic toxicity : None

Type of test Effective concentration

Method: OECD 203 fish (LC50) >500 mg/l

Fish toxicity: None

12.5 Daphnia toxicity : None

12.6 Behaviour in sewage processing plants: None

Bacteria toxicity: none

12.7 Remarks: If contaminated effluent water is properly entered into the sewage system, any interference with the degrading activity of the activated sludge organisms must not be expected.

12.8 Additional ecological information

AOX-indication: The product does not contain substances, which can influence the AOX of waste water.

The formulation contains the following heavy metals and compounds according to EC guideline No. 76/464 EC: None

12.9 Water hazard class 1 (self assessment): Non hazardous for water.

13. Disposal considerations

13.1 Product

Recommendation :Product must be disposed of according to local regulations pertaining to the disposal of hazardous waste.

13.2 Storage in a dry and ventilated ware house

13.3 Recommendation: Packaging can be reused or recycled after cleaning.

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

14. Transport information



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|------|---|-----------------------------|
| 14.1 | Land transport ADR/RID and GGVS/GGVE
(cross-border/domestic) | GB12268-2005 |
| 14.2 | ADR/RID-GGVS/E Class | NO |
| 14.3 | Maritime transport IMDG/GGVSea | NO |
| 14.4 | IMDG Class | NO |
| 14.5 | Air transport ICAO-TI and IATA-DGR | NO |
| 14.6 | ICAO/IATA Class | NO |
| 14.7 | Transport / Additional information
according to a.m regulations. | Not hazardous for transport |
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15. Regulatory information

- 15.1 Designation according to EC guidelines:
The product has been classified and labelled in accordance with EC Directives and the Ordinance on Hazardous Materials (CHIP)
Observe the normal safety regulations when handling chemicals.
- 15.2 National regulations
Classification according to VbF:None
- 15.3 Water hazard class:Water hazard class 1 (self-assessment)
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16. Other information

All information given in this pamphlet depend on our experiences and reliable laboratory examinations. However, we cannot take a guarantee for the indications as the conditions for storage, treatment and processing of the products are beyond our control. Our technical people are always at your disposal for further information