

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



Ronafix® TS

Version 1.0

SDS Number: 100000030326

Revision Date: 2020/01/20

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Ronafix® TS
Product code : 100000030326
Type of product : Aqueous solution
Chemical nature :

Recommended use of the chemical and restrictions on use

Product use : Additive for cementous products

Manufacturer or supplier's details

Company : Ronacrete (Guangzhou) Construction Products Ltd.
No 60, Lixinsha Dong Lu,
Wanqingsha, Nansha, 511462 Guangzhou,
Guangdong P.R.China

www.ronacrete.com.cn
Telephone : (86) 20 8494 1000
Emergency telephone number : -
Telefax : (86) 020 8494 2000
E-mail address : -
Emergency telephone number : -

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance : Aqueous solution
Colour : milky
Odour : none

May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects.

GHS Classification

Skin sensitisation : Category 1
Short-term (acute) aquatic hazard : Category 3
Long-term (chronic) aquatic hazard : Category 3

GHS label elements

Hazard pictograms :

Signal word : Warning

Hazard statements : H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



Ronafix® TS

Version 1.0

SDS Number: 100000030326

Revision Date: 2020/01/20

Precautionary statements : **Prevention:**
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves.
Response:
P302 + P352 IF ON SKIN: Wash with plenty of water.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Physical and chemical hazards

Not classified based on available information.

Health hazards

May cause an allergic skin reaction.

Environmental hazards

Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

Other hazards which do not result in classification

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

Chemical name	CAS-No.	Concentration (%)
bronopol (INN)	52-51-7	>= 0.0025 - < 0.025
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (C(M	55965-84-9	>= 0.0025 - < 0.025

4. FIRST AID MEASURES

General advice : No hazards which require special first aid measures.
If inhaled : Move to fresh air.
In case of skin contact : Take off contaminated clothing and shoes immediately.
Wash off with soap and plenty of water.
In case of eye contact : Flush eyes with water as a precaution.
Remove contact lenses.
Keep eye wide open while rinsing.
If swallowed : Clean mouth with water and drink afterwards plenty of water.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
Most important symptoms and effects, both acute and delayed : No known significant effects or hazards.
See Section 11 for more detailed information on health effects and symptoms.

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



Ronafix® TS

Version 1.0

SDS Number: 100000030326

Revision Date: 2020/01/20

Notes to physician : May cause an allergic skin reaction.
: Treat symptomatically.

5. FIREFIGHTING MEASURES

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Hazardous combustion products : No hazardous combustion products are known

Specific extinguishing methods : Standard procedure for chemical fires.

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : For personal protection see section 8.

Environmental precautions : No special environmental precautions required.

Methods and materials for containment and cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).
Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Handling

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Advice on safe handling : For personal protection see section 8.
No special handling advice required.
Follow standard hygiene measures when handling chemical products

Avoidance of contact : No data available

Storage

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.
Store in accordance with local regulations.

Materials to avoid : No special restrictions on storage with other products.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.
Not applicable

Personal protective equipment

Respiratory protection : Use respiratory protection unless adequate local exhaust

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



Ronafix® TS

Version 1.0

SDS Number: 100000030326

Revision Date: 2020/01/20

	ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.
Eye/face protection	: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.
Skin and body protection	: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.
Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Hygiene measures	: When using do not eat or drink. When using do not smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Aqueous solution
Colour	: milky
Odour	: none
Odour Threshold	: No data available
pH	: 7 - 8, (23 °C (73 °F))
Melting point/range / Freezing point	: No data available
Boiling point/boiling range	: No data available
Flash point	: Not applicable
Evaporation rate	: No data available
Flammability	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: 23 hPa (17 mmHg)
Relative vapour density	: No data available
Density	: ca. 1.01 g/cm ³ (23 °C (73 °F) ())
Bulk density	: Not applicable
Solubility(ies)	
Water solubility	: soluble in cold water
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: No data available

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



Ronafix® TS

Version 1.0

SDS Number: 100000030326

Revision Date: 2020/01/20

Decomposition temperature : No data available

Viscosity
Viscosity, dynamic : < 400 mPa.s (23 °C)

Viscosity, kinematic : > 20.5 mm²/s (40 °C)

Explosive properties : No data available

Molecular weight : No data available

10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.

Chemical stability : The product is chemically stable.

Possibility of hazardous reactions : No hazards to be specially mentioned.

Conditions to avoid : No data available

Incompatible materials : No data available

No decomposition if stored and applied as directed.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

No data available

Skin corrosion/irritation

Not classified based on available information.

Serious eye damage/eye irritation

Not classified based on available information.

Respiratory or skin sensitisation

Skin sensitisation: May cause an allergic skin reaction.

Respiratory sensitisation: Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



Ronafix® TS

Version 1.0

SDS Number: 100000030326

Revision Date: 2020/01/20

12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

bronopol (INN):

M-Factor (Acute aquatic toxicity) : 10

M-Factor (Chronic aquatic toxicity) : 1

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (C(M:

M-Factor (Acute aquatic toxicity) : 100

M-Factor (Chronic aquatic toxicity) : 100

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

Product:

Additional ecological information : There is no data available for this product.

13. DISPOSAL CONSIDERATIONS

Disposal methods

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

International Regulations

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

Not applicable for product as supplied.

National Regulations

Special precautions for user

Not applicable

15. REGULATORY INFORMATION

National regulatory information

SAFETY DATA SHEET

according to GB/T 16483 and GB/T 17519



Ronafix® TS

Version 1.0

SDS Number: 100000030326

Revision Date: 2020/01/20

The components of this product are reported in the following inventories:

IECSC : Not in compliance with the inventory

16. OTHER INFORMATION

Date format : yyyy/mm/dd

Disclaimer

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the product data sheet prior to any use and processing.