
SAFETY DATA SHEET

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

1.1 Product identifier

- Product Name: Renovate Tannin Remover
- Product Part Number: R-TANR

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

- Use of the substance/mixture: Tannin remover.

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Chemisphere UK Ltd
- Address of Supplier: Unit 4 Richmond Road
Trafford Park
Manchester
M17 1RE
- Telephone: +44 (0) 161 874 7200
- Responsible Person: Wilfred Worsley
- Email: safetydata@chemisphereuk.co.uk

1.4 Emergency telephone number

- Emergency Telephone: +44 (0) 776 724 8499
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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- CLP: Acute Tox. 4, Skin Corr. 1B, STOT SE 3, Aquatic Chronic 3

2.2 Label elements



GHS05



GHS07

- Signal Word: Danger
- Hazard statements
 - Causes severe skin burns and eye damage.
 - Harmful if inhaled.
 - Toxic to aquatic life with long lasting effects.
- Precautionary statements
 - Keep out of reach of children.
 - Avoid breathing dust/fume/gas/mist/vapours/spray.
 - Wear protective gloves/protective clothing/eye protection/face protection.
 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

SECTION 2: Hazards identification (....)

Get immediate medical advice/attention.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Get medical advice/attention.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Get medical advice/attention if you feel unwell.

IF ON SKIN: Wash with plenty of soap and water.

If skin irritation occurs: Get medical advice/attention.

If medical advice is needed, have product container or label at hand.

Contains: Trisodium orthophosphate
Organic chlorine compound
Sodium metasilicate pentahydrate

- Supplemental Hazard information (EU)
None

2.3 Hazards identification

- Not a PBT according to REACH Annex XIII
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SECTION 3: Composition/information on ingredients

3.2 Mixtures

- Sodium metasilicate pentahydrate
CAS Number: 10213-79-3
EC Number: 229-912-9
Concentration: 20 - 40%
Categories: Met. Corr. 1, Skin Corr. 1B, Eye Dam. 1, STOT SE 3
Symbols: GHS05;GHS07
H Statements: H290;H314;H335
- Phosphate salt
CAS Number:
EC Number:
Concentration: 1 - 20%
Categories: Skin Irrit. 2, Eye Irrit. 2, STOT SE 3
Symbols: GHS07
H Statements: H315;H319;H335
- Organic chlorine compound
CAS Number:
EC Number:
Concentration: < 5%
Categories: Acute Tox. 4, Eye Irrit. 2, Aquatic Acute 1, Aquatic Chronic 1
Symbols: GHS09;GHS07
H Statements: H400;H410;H302;H319;H335
- Trisodium orthophosphate
CAS Number: 7601-54-9

SECTION 3: Composition/information on ingredients (....)

EC Number: 231-509-8
Concentration: 20 - 40%
Categories: Acute Tox. 3, Skin Irrit. 2, Eye Irrit. 2
Symbols: GHS07
H Statements: GHS07

- Sodium carbonate
CAS Number: 497-19-8
EC Number: 207-838-8
Concentration: 20 - 40%
Categories: Eye Irrit. 2
Symbols: GHS07
H Statements: H319
-

SECTION 4: First aid measures

4.1 Description of first aid measures

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

4.2 Most important symptoms and effects, both acute and delayed

- Contact with eyes
Causes severe burns
Risk of serious damage to eyes
May cause permanent damage if eye is not immediately irrigated.
- Ingestion
Causes severe burns
Causes damage to the digestive tract if swallowed
Harmful if swallowed
- Inhalation
Corrosive to the respiratory tract.
Can cause damage to the respiratory system
Harmful if inhaled.
- Contact with skin
Corrosive to skin
Causes severe burns

4.3 Indication of any immediate medical attention and special treatment needed

- If medical advice is needed, have product container or label at hand.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

5.2 Special hazards arising from the substance or mixture

- May give off noxious and toxic fumes in a fire

5.3 Advice for firefighters

- Wear chemical protection suit and breathing apparatus
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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Wear protective clothing as per section 8
- Avoid contact with skin and eyes
- Avoid breathing dust/fume/gas/mist/vapours/spray.

6.2 Environmental precautions

- Do not discharge into drains or the environment, dispose to an authorised waste collection point

6.3 Methods and material for containment and cleaning up

- Collect as much as possible in clean container for reuse or disposal
- Flush spill area with copious amounts of water

6.4 Reference to other sections

- Wear protective clothing as per section 8
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SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Wear protective gloves/protective clothing/eye protection/face protection.
- Avoid contact with skin and eyes
- Do not breathe dust/fume/gas/mist/vapours/spray.
- Do not mix with any other products
- Proper chemicals handling procedures should be adopted
- Handle and open container with care
- Ensure adequate ventilation

7.2 Conditions for safe storage, including any incompatibilities

- Keep locked up and out of reach of children
- Protect from sunlight.
- Incompatible with acid
- Incompatible with oxidizing substances

7.3 Specific end use(s)

- Removal of tea and coffee stains from crockery and beverage making equipment.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

- Sodium metasilicate pentahydrate
DNEL (Industry; dermal, long term local effects): 1.49 mg/kg/day
DNEL (Industry; inhalational, long term local effects): 6.22 mg/m³
DNEL (oral): 0.74 mg/kg/day
- Trisodium orthophosphate
DNEL (Industry; inhalational, long term local effects): 17.87 mg/m³
DNEL (Consumer; inhalational, long term local effects): 7.66 mg/m³
DNEL (oral): 70 mg/kg
- Sodium carbonate
DNEL (Industry; inhalational, long term local effects): 10 mg/m³

8.2 Exposure controls

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



Gloves



Goggles

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: powder, white
- Odour: Slight smell of chlorine
- pH: >11
- Density: 1.10 g/cm³ at 20 deg C
- Conductivity: Not available
- Solubility in water: Soluble in water
- Flammability: Not flammable

9.2 Other information

- No information available
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SECTION 10: Stability and reactivity

10.1 Reactivity

- Reacts with acid

10.2 Chemical stability

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

- Contact with acids liberates toxic gas.
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SECTION 10: Stability and reactivity (....)

10.4 Conditions to avoid

- Keep away from heat, light and moisture

10.5 Incompatible materials

- Avoid contact with acid
- Avoid contact with oxidising substances
- Avoid contact with aluminium
- Avoid contact with zinc
- Avoid contact with tin

10.6 Hazardous decomposition products

- No hazardous decomposition products known
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SECTION 11: Toxicological information

11.1 Contact with eyes

- Causes serious eye damage.

11.2 Ingestion

- Causes damage to the digestive tract
- Causes damage to the stomach lining
- Harmful if swallowed

11.3 Inhalation

- Corrosive to the respiratory tract.
- Harmful if inhaled.

11.4 Contact with skin

- Causes severe burns

11.5 Information on toxicological effects

- Trisodium orthophosphate
LD50 (oral, rat): > 2000 mg/kg
LD50 (dermal, rabbit): > 5000 mg/kg
LC50 (inhalation, rat): > 0.83 mg/l
 - Sodium carbonate
LD50 (oral, rat): 2800 mg/kg
LD50 (dermal) : 2000 mg/kg
LC50 (inhalation, rat): 2300 mg/l
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SECTION 12: Ecological information

12.1 Toxicity

- Sodium metasilicate pentahydrate
EC50 (daphnia): 1700 mg/l (48 hr)
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SECTION 12: Ecological information (....)

LC50 (fish): 210 mg/l (96 hr)

- Organic chlorine compound
EC50 (daphnia): Unknown mg/l (48 hr)
LC50 (fish): Unknown mg/l (96 hr)
- Trisodium orthophosphate
IC50 (algae): Unknown mg/l (72 hr)
EC50 (daphnia): >100 mg/l (48 hr)
LC50 (fish): Unknown mg/l (96 hr)
- sodium carbonate
EC50 (daphnia): 265 mg/l (48 hr)
LC50 (fish): 300 mg/l (96 hr)

12.2 Persistence and degradability

- Not readily biodegradable

12.3 Bioaccumulative potential

- No information available

12.4 Mobility in soil

- Soluble in water

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12.6 Other adverse effects

- No information available
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SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation
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SECTION 14: Transport information



Corrosive

14.1 UN number

- UN No.: 1759

14.2 Proper Shipping Name

- Proper Shipping Name: CORROSIVE SOLID, N.O.S. (sodium metasilicate)

14.3 Transport hazard class(es)

SECTION 14: Transport information (....)

- Hazard Class: 8

14.4 Packing group

- Packing Group: III.

14.5 Environmental hazards

- None assigned

14.6 Special precautions for user

- Identification Number: 80
- IMDG EmS: F-A, S-B
- Tunnel Code: (E)
- Contains: Sodium metasilicate

14.7 Emergency Action Code

- 2X

14.8 Transport in bulk according to Annex II of Marpol and the IBC Code

- Not applicable
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SECTION 15: Regulatory information

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

- This Safety Data Sheet is provided in compliance with the EC Regulation 1907/2006-2015/830

15.2 Chemical safety assessment

- A chemical safety assessment (CSA) for this product has not yet been completed
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SECTION 16: Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H290: May be corrosive to metals. H302: Harmful if swallowed. H314: Causes severe skin burns and eye damage. H315: Causes skin irritation. H319: Causes serious eye irritation. H335: May cause respiratory irritation. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects.

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.

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