

Tristel Dentel 100

Working Solution Safety Data Sheet

1. Identification

Product Name: Tristel Dentel 100 – Working Solution

Product Code: DEN100

Type of product: High-level sporicidal disinfectant and biofilm remover

Manufacturer: Tristel Solutions Limited
Lynx Business Park
Fordham Road
Snailwell
Cambs
CB8 7NY, United Kingdom

Telephone Number: +44 (0) 1638 721500
+44 (0) 7798 805692 (Out of hours contact)

Fax Number: +44 (0) 1638 721911

Email: healthandsafety@tristel.com

Chemical type: Mild oxidising solution

2. Hazards identification:

Chlorine dioxide generator
WEL - 0.84 mg/m³ short term, 15 minute reference period
- 0.28 mg/m³ long term, 8 hour TWA reference period

3. Composition:

Ingredients	CAS No	EINECS No	Wt/Vol %	Symbol
Chlorine dioxide in aqueous solution	10049-04-4	233-162-8	0.01-0.0125	ClO ₂
Water				H ₂ O

4. First aid measures:

Inhalation: Non-toxic
Eye contact: Rinse eyes with water
Skin contact: Wash affected area with water
Ingestion: Do not induce vomiting. Give water to drink
Seek medical advice where necessary

5. Fire fighting measures:

Non flammable

6. Accidental release measures:

Environmental precautions: Environmental precautions required but product is biodegradable under OECD conditions operational 6/1995

Clean up method: Flush to drain with water or soak up onto inert material and dispose of with clinical waste

Clothing for disposal: Wear appropriate gloves and apron

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with the Regulations of
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7. Handling and storage:

Handling guidelines: Safe handling in accordance with label instructions

Not to be mixed with other chemicals

Keep from children

Storage guidelines: Store out of direct sunlight

Single-Use solution

8. Exposure controls/personal protection:

Personal protection: Avoid eye contact and prolonged skin contact

Gloves and apron recommended

Skin contact: Low risk

Eye contact: Low risk

Inhalation: Low risk

Ingestion: Low risk, substantial ingestion may cause discomfort to mouth and digestive tissues

9. Physical and chemical properties:

Physical state: Liquid

Appearance and odour: Light yellow with mild odour

Evaporation rate: As water

Boiling point: As water

Freezing point: As water

% Volatile (by weight): Not known

Solubility in water (20°C): Soluble

pH: 4.5 approximately

Specific gravity 1.005 @ 20°C

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10. Stability and reactivity:

Decomposes to simple salt solution

Hazardous decomposition products: None under normal use

Chlorine donors and oxygen produced if heated

11. Toxicological information:

Acute Oral LD50	>5000 mg/kg
Irritation to skin	Negative
Irritation to eyes	Negative
Sensitisation	Negative

12. Ecological information: Presents no known hazards to the environment

13. Disposal considerations:

Packaging:	Can be disposed of as normal waste in accordance with local authority regulations
Contaminated packaging:	May be disposed of safely under normal conditions in accordance with local authority regulations
Product:	Solution to be disposed of in accordance with spillage instructions as explained in accidental release measures

14. Transport information: Not applicable

15. Regulatory information:

Not a licensed medicine

Approved under EEC 93/42, and amendments thereto, for contact with medical devices

16. Other information:

Safety phrases:

(2) Keep out of reach of children

(24/25) Avoid contact with skin and eyes

(50) Do not mix with other chemicals

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Activated Concentrate Safety Data Sheet

1. Identification

Product Name: **Tristel Dentel 100 – Activated Concentrate**

Notice: Under normal conditions the concentrate is immediately diluted into the required volume of water as per user instructions supplied with the product. Therefore contact with the activated concentrate prior to dilution is unlikely to occur. However, the below information should be used in the event of a spill of the activated concentrate direct from the sachet.

2. Hazards identification:

Chlorine dioxide generator
WEL - 0.84 mg/m³ short term, 15 minute reference period
- 0.28 mg/m³ long term, 8 hour TWA reference period

3. Composition:

Ingredients	CAS No	EINECS No	Wt/Vol %	Symbol
Chlorine dioxide in aqueous solution	10049-04-4	233-162-8	0.11 – 0.13	ClO ₂

4. First aid measures:

Inhalation: Move subject to fresh air
Eye contact: Rinse eyes immediately with copious quantities of water
Skin contact: Wash affected area with water
Ingestion: Do not induce vomiting. Give plenty of water to drink
Seek medical advice where necessary

5. Fire fighting measures:

Non flammable

6. Accidental release measures:

Environmental precautions: Environmental precautions required but product is biodegradable under OECD conditions operational 6/1995
Clean up method: Dilute with water and flush to drain or soak up onto inert material and dispose of with clinical waste
Clothing for disposal: Wear appropriate gloves and apron

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7. Handling and storage:

Handling guidelines: Safe handling in accordance with label instructions; activated concentrate should be diluted in water immediately after opening sachet
Not to be mixed with other chemicals
Keep away from children

Storage guidelines: Do not store activated concentrate

8. Exposure controls/personal protection:

Personal protection: Avoid eye contact and prolonged skin contact
Gloves, apron and eye protection recommended

Skin contact: Low risk

Eye contact: Low risk

Inhalation: Moderate risk

Ingestion: Moderate risk, substantial ingestion may cause discomfort to mouth and digestive tissues

9. Physical and chemical properties:

Physical state: Liquid

Appearance and odour: Straw yellow with mild odour

Evaporation rate: As water

Boiling point: As water

Freezing point: As water

% Volatile (by weight): Not known

Solubility in water (20°C): Soluble

pH: 5.5 approximately

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Activated Concentrate Safety Data Sheet

10. Stability and reactivity:

Decomposes to simple salt solution

Hazardous decomposition products: None under normal use

Chlorine donors and oxygen produced if heated

11. Toxicological information:

Acute Oral LD50	>3000 mg/kg
Irritation to skin	Negative
Irritation to eyes	Minimal irritation
Sensitisation	Negative

12. Ecological information:

Presents no known hazards to the environment

13. Disposal considerations:

Packaging:	Can be disposed of as normal waste in accordance with local authority regulations
Contaminated packaging:	May be disposed of safely under normal conditions in accordance with local authority regulations
Product:	Solution to be disposed of in accordance with spillage instructions as explained in accidental release measures

14. Transport information:

Not applicable

15. Regulatory information:

Not a licensed medicine

16. Other information:

Safety phrases:

(2) Keep out of reach of children

(24/25) Avoid contact with skin and eyes

(50) Do not mix with other chemicals

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Activator & Base Safety Data Sheet

1. Identification Product Name: Tristel Dentel 100 – Activator Solution Chemical Type: Sodium salt solution	1. Identification Product Name: Tristel Dentel 100 – Base Solution Chemical Type: Organic acid blend
2. Hazards Identification: Not classified as hazardous Contact with acids liberates chlorine dioxide	2. Hazards Identification: Not classified as hazardous
3. Composition/information on ingredients: Major ingredients: 0.4% Sodium Chlorite solution in de-mineralised water	3. Composition/information on ingredients: Major ingredients: 1.0% solution of Citric Acid, 0.01% Boric Acid, 0.01% Sorbic Acid, 4.0% Surfactant, 0.2% Citrus Fragrance, In de-mineralised water
4. First-aid measures: Inhalation: Non-toxic Eye contact: Rinse eyes with water Skin contact: Wash affected area with water Ingestion: Do not induce vomiting give milk or water to drink Seek medical advice where necessary	4. First-aid measures: Inhalation: Non-toxic Eye contact: Rinse eyes with water Skin contact: Wash affected area with water Ingestion: Do not induce vomiting give milk or water to drink Seek medical advice where necessary
5. Fire fighting measures: Non flammable	5. Fire fighting measures: Non flammable
6. Accidental release measures: Environmental Precautions: Environmental precautions required but product is biodegradable under OECD conditions operational 6/1995 Clean up method: Flush to drain with water or soak up onto inert material and dispose of with clinical waste Clothing for disposal: Wear appropriate gloves and apron	6. Accidental release measures: Environmental Precautions: Environmental precautions required but product is biodegradable under OECD conditions operational 6/1995 Clean up method: Flush to drain with water or soak up onto inert material and dispose of with clinical waste Clothing for disposal: Wear appropriate gloves and apron <div style="text-align: right;">This document conforms with the Regulations of REACH, 2007</div>

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Activator & Base Safety Data Sheet

Product Name: Tristel Dentel 100 – Activator Solution	Product Name: Tristel Dentel 100 – Base Solution
7. Handling and storage: Handling guidelines: Safe handling in accordance with label instructions Not to be mixed with other chemicals Keep from children Storage guidelines: Store out of direct sunlight Store at a temperature of 10 - 35°C Shelf life – two years – see product for expiry date	7. Handling and storage: Handling guidelines: Safe handling in accordance with label instructions Not to be mixed with other chemicals Keep from children Storage guidelines: Store out of direct sunlight Store at a temperature of 10 - 35°C Shelf life – two years – see product for expiry date
8. Exposure controls/personal protection: Personal protection: Avoid eye contact and prolonged skin contact Gloves and apron recommended Skin contact: Low risk Eye contact: Low risk Inhalation: Low risk Ingestion: Low risk, substantial ingestion may cause discomfort to mouth and digestive tissues	8. Exposure controls/personal protection: Personal protection: Avoid eye contact and prolonged skin contact Gloves and apron recommended Skin contact: Low risk Eye contact: Low risk Inhalation: Low risk Ingestion: Low risk, substantial ingestion may cause discomfort to mouth and digestive tissues

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Tristel Dentel 100

Activator & Base Safety Data Sheet

Product Name: Tristel Dentel 100 – Activator Solution	Product Name: Tristel Dentel 100 – Base Solution
<p>9. Physical and chemical Properties:</p> <p>Physical state: Liquid</p> <p>Appearance and odour: Clear colourless solution, no odour</p> <p>Evaporation rate: As water</p> <p>Boiling point: As water</p> <p>Freezing point: As water</p> <p>% Volatile (by weight): Not known</p> <p>Solubility in water (20° C): Soluble</p> <p>pH: 9.0 – 11.5</p> <p>Specific gravity: 1.010 @ 20° C</p>	<p>9. Physical and chemical Properties:</p> <p>Physical state: Liquid</p> <p>Appearance and odour: Pale green, mild odour</p> <p>Evaporation rate: As water</p> <p>Boiling point: As water</p> <p>Freezing point: As water</p> <p>% Volatile (by weight): Not known</p> <p>Solubility in water (20° C): Soluble</p> <p>pH: 3.0 - 4.5</p> <p>Specific gravity: 1.010 @ 20° C</p>
<p>10. Stability and reactivity:</p> <p>No decomposition if stored and used as directed</p> <p>Hazardous decomposition products: None under normal use</p> <p>Chlorine donors and oxygen produced if heated</p>	<p>10. Stability and reactivity:</p> <p>No decomposition if stored and used as directed</p> <p>Hazardous decomposition products: None under normal use</p> <p>Not compatible with alkaline substance and chlorine donors</p>
<p>11. Toxicological information:</p> <p>Acute Oral LD50: >4000 mg/kg</p> <p>Irritation to skin: Minimally irritating</p> <p>Irritation to eyes: Mild irritant</p>	<p>11. Toxicological information:</p> <p>Citric Acid</p> <p>Acute oral LD50: >11750 mg/kg</p> <p>Irritation to skin: Mild irritant under prolonged contact</p> <p>Irritation to Eyes: Irritant</p> <p>Surfactant</p> <p>Acute oral LD50: >2000 mg/kg</p> <p>Irritation to skin: Mild irritant</p> <p>Irritation to eyes: Irritant</p>

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