

Tristel Dentel 5

Working Solution Safety Data Sheet

1. Identification

Product Name: Tristel Dentel 5– Working Solution

Product Code: DEN5

Type of product: Solution for biofilm control in DUWLs

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

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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	0.0004-0.0006	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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Tristel Dentel 5

Working Solution Safety Data Sheet

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:	No risk identified
Eye contact:	No risk identified
Inhalation:	No risk identified
Ingestion:	No risk identified

9. Physical and chemical properties:

Physical state:	Liquid
Appearance and odour:	Light yellow with mild odour of mint and Eucalyptus
Evaporation rate:	As water
Boiling point:	As water
Freezing point:	As water
% Volatile (by weight):	Not known
Solubility in water (20°C):	Soluble
pH:	7.0 approximately
Specific gravity	1.005 @ 20°C

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with the Regulations of
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Tristel Dentel 5

Working Solution 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	>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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with the Regulations of
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Tristel Dentel 5

Activated Concentrate Safety Data Sheet

1. Identification

Product Name: **Tristel Dentel 5 – 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	0.0040 – 0.0060	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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Tristel Dentel 5

Activated Concentrate Safety Data Sheet

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: 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: Straw yellow with mild minty 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: 8.0 approximately

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with the Regulations of
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Tristel Dentel 5

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 >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

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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Tristel Dentel 5 Activator & Base Safety Data Sheet

1. Identification	1. Identification
Product Name: Tristel Dentel 5 – Activator Solution Chemical Type: Sodium salt solution	Product Name: Tristel Dentel 5 – 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: 0.03% Sodium Chlorite solution in de-mineralised water	3. Composition/information on ingredients: Major ingredients: 0.25 % Citric Acid 0.01% Boric Acid 0.01% Sorbic Acid 0.12% mint and eucalyptus flavour 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

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Tristel Dentel 5

Activator & Base Safety Data Sheet

Product Name: Tristel Dentel 5 – Activator Solution	Product Name: Tristel Dentel 5 – Base Solution
7. Handling and storage:	7. Handling and storage:
<p>Handling guidelines: Safe handling in accordance with label instructions</p> <p>Not to be mixed with other chemicals</p> <p>Keep from children</p> <p>Storage guidelines: Store out of direct sunlight</p> <p>Store at temperatures of between 10 and 35°C</p> <p>Shelf life – two years – see product for expiry date</p>	<p>Handling guidelines: Safe handling in accordance with label instructions</p> <p>Not to be mixed with other chemicals</p> <p>Keep from children</p> <p>Storage guidelines: Store out of direct sunlight</p> <p>Store at temperatures of between 10 and 35°C</p> <p>Shelf life – two years – see product for expiry date</p>
8. Exposure controls/personal protection:	8. Exposure controls/personal protection:
<p>Personal protection: Avoid eye contact and prolonged skin contact</p> <p>Gloves and apron recommended</p> <p>Skin contact: Low risk</p> <p>Eye contact: Low risk</p> <p>Inhalation: Low risk</p> <p>Ingestion: Low risk, substantial ingestion may cause discomfort to mouth and digestive tissues</p>	<p>Personal protection: Avoid eye contact and prolonged skin contact</p> <p>Gloves and apron recommended</p> <p>Skin contact: Low risk</p> <p>Eye contact: Low risk</p> <p>Inhalation: Low risk</p> <p>Ingestion: Low risk, substantial ingestion may cause discomfort to mouth and digestive tissues</p>
9. Physical and chemical Properties:	9. Physical and chemical Properties:
<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>Physical state: Liquid</p> <p>Appearance and odour: Clear colourless solution, mild minty 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>

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Tristel Dentel 5

Activator & Base Safety Data Sheet

Product Name: Tristel Dentel 5 – Activator Solution	Product Name: Tristel Dentel 5 – Base Solution
Physical and chemical Properties continued:	Physical and chemical Properties continued:
Solubility in water (20° C) Soluble	Solubility in water (20° C) Soluble
pH: 6.5 – 8.0	pH: 1.5 – 3.5
Specific gravity: 1.005 @ 20° C	Specific gravity: 1.010 @ 20° C
10. Stability and reactivity:	10. Stability and reactivity:
No decomposition if stored and used as directed	No decomposition if stored and used as directed
Hazardous decomposition products: None under normal use	Hazardous decomposition products: None under normal use
Chlorine donors and oxygen produced if heated	Not compatible with alkaline substance and chlorine donors
11. Toxicological information:	11. Toxicological information: Citric Acid
Acute Oral LD50: >4000 mg/kg	Acute oral LD50: >11750 mg/kg
Irritation to skin: Minimally irritating	Irritation to skin: Mild irritant under prolonged contact
Irritation to eyes: Mild irritant	Irritation to eyes: Minimally irritating
12. Ecological information:	12. Ecological information:
No known adverse effects from normal use	No known adverse effects from normal use
13. Disposal considerations:	13. Disposal considerations:
Packaging: Can be disposed of as normal waste in accordance with local authority regulations	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	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	Product: Solution to be disposed of in accordance with spillage instructions as explained in accidental release measures

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