

# Tristel Dentel Duo

## Activated Foam Safety Data Sheet

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### 1. Identification

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**Product Name:** Tristel Dentel Duo

**Product Code:** DUO/DEN

Type of product: High-level sporicidal disinfectant

**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

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**2. Hazards identification:** Chlorine dioxide generator

WEL - 0.84 mg/m<sup>3</sup> short term, 15 minute reference period  
- 0.28 mg/m<sup>3</sup> long term, 8 hour TWA reference period

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### 3. Composition:

Ingredients	CAS No	EINECS No	Wt/Vol %	Symbol
Chlorine dioxide in aqueous solution	10049-04-4	233-162-8	0.1-0.12	ClO <sub>2</sub>
Water				H <sub>2</sub> O

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### 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

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**5. Fire fighting measures:** Non flammable

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### 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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### 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 foam

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### 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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### 9. Physical and chemical properties:

Physical state:	Liquid
Appearance and odour:	White foam with mild chlorine dioxide 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:	5.0 approximately
Specific gravity	1.005 @ 20°C

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with the Regulations of  
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### 10. Stability and reactivity:

Solution decomposes to simple salt solution

Hazardous decomposition products: None under normal use

Chlorine donors and oxygen produced if heated

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### 11. Toxicological information:

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

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### 12. Ecological information:

Presents no known hazards to the environment

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### 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:	Dispose of to clinical waste

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### 14. Transport information:

Not applicable

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### 15. Regulatory information:

Not a licensed medicine

Approved under EEC 93/42 for contact with medical instruments

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### 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 Dental Duo

### Foam (Activator) & Foam (Base) Safety Data Sheet

<b>1. Identification</b>	<b>1. Identification</b>
<b>Product Name:</b> Tristel Dental Duo – Activator Solution	<b>Product Name:</b> Tristel Dental Duo– Base Solution
<b>Chemical Type:</b> Sodium salt solution	<b>Chemical Type:</b> Organic acid blend
<b>2. Hazards Identification:</b> Not classified as hazardous Contact with acids liberates chlorine dioxide	<b>2. Hazards Identification:</b> Not classified as hazardous
<b>3. Composition/information on ingredients:</b> <b>Major ingredients:</b> 0.5% Sodium Chlorite solution 2.0% Foaming Surfactant  in de-mineralised water	<b>3. Composition/information on ingredients:</b> <b>Major ingredients:</b> 5% solution of Citric Acid 0.05% Boric Acid 0.05% Sorbic Acid 2.0% Foaming surfactant  in de-mineralised water
<b>4. First-aid measures:</b>  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	<b>4. First-aid measures:</b>  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
<b>5. Fire fighting measures:</b>  Non flammable	<b>5. Fire fighting measures:</b>  Non flammable
<b>6. Accidental release measures:</b>  Environmental Precautions: Environmental precautions required but product is biodegradable under OECD conditions operational 6/1995  Clean up method: Dispose of to clinical waste  Clothing for disposal: Wear appropriate gloves	<b>6. Accidental release measures:</b>  Environmental Precautions: Environmental precautions required but product is biodegradable under OECD conditions operational 6/1995  Clean up method: Dispose of to clinical waste  Clothing for disposal: Wear appropriate gloves

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# Tristel Dentel Duo

## Foam (Activator) & Foam (Base) Safety Data Sheet

Product Name: <b>Tristel Dentel Duo – Activator Solution</b>	Product Name: <b>Tristel Dentel Duo – Base Solution</b>
<p><b>7. Handling and storage:</b></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 within a temperature range of 10° C to 35° C</p> <p>Shelf life – two years – see product for expiry date</p>	<p><b>7. Handling and storage:</b></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 within a temperature range of 10° C to 35° C</p> <p>Shelf life – two years – see product for expiry date</p>
<p><b>8. Exposure controls/personal protection:</b></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>	<p><b>8. Exposure controls/personal protection:</b></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>
<p><b>9. Physical and chemical Properties:</b></p> <p>Physical state: Liquid</p> <p>Appearance and odour: Clear, 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: 12.5 approximately</p> <p>Specific gravity: 1.005 @ 20° C</p>	<p><b>9. Physical and chemical Properties:</b></p> <p>Physical state: Liquid</p> <p>Appearance and odour: Blue, 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: 3.0 approximately</p> <p>Specific gravity: 1.025 @ 20° C</p>

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## Tristel Dental Duo

### Foam (Activator) & Foam (Base) Safety Data Sheet

<b>Product Name:</b> Tristel Dental Duo – Activator Solution	<b>Product Name:</b> Tristel Dental Duo – Base Solution
<b>10. Stability and reactivity:</b> No decomposition if stored and used as directed  Hazardous decomposition products: None under normal use  Chlorine donors and oxygen produced if heated	<b>10. Stability and reactivity:</b> No decomposition if stored and used as directed  Hazardous decomposition products: None under normal use  Not compatible with alkaline substance and chlorine donors
<b>11. Toxicological information:</b>  Acute Oral LD50: >4000 mg/kg  Irritation to skin: Minimally irritating  Irritation to eyes: Mild irritant  <b>Surfactant</b> Acute Oral LD50: >2000 mg/kg  Irritation to skin: Mildly irritating  Irritation to eyes: Irritant	<b>11. Toxicological information:</b> <b>Citric Acid</b> Acute oral LD50: >11750 mg/kg  Irritation to Skin: Mild irritant under prolonged contact  Irritation to Eyes: Irritant  <b>Surfactant</b> Acute Oral LD50: >2000 mg/kg  Irritation to skin: Mildly irritating  Irritation to eyes: Irritant
<b>12. Ecological information:</b> No known adverse effects from normal use	<b>12. Ecological information:</b> No known adverse effects from normal use
<b>13. Disposal considerations:</b> 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	<b>13. Disposal considerations:</b> 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
<b>14. Transport information:</b>  Non hazardous for transport	<b>14. Transport information:</b>  Non hazardous for transport          <div style="text-align: right;">           This document conforms with the Regulations of REACH, 2007         </div>

