

# Tristel One-Shot for Wassenburg

## Working Solution Safety Data Sheet

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### 1. Identification

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**Product Name:** **Tristel One-Shot for Wassenburg**  
**Working solution**

**Product Code:** TOS440

Type of product: Single-Use sporicidal disinfectant for medical instruments processed in Wassenburg washer-disinfectors

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	0.01-0.012	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 plenty of 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 solution

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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:	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:	3.5 - 6.5
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

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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:	Solution to be disposed of in accordance with spillage instructions as explained in accidental release measures

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**14. Transport information:** Not applicable

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### 15. Regulatory information:

Not a licensed medicine

Approved as a medical device under EEC 93/42 and the 2007/47 amendments thereto

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### 16. Other information:

Safety phrases:

(2) Keep out of reach of children

(24/25) Avoid contact with eyes and skin

(50) Do not mix with other chemicals

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with the Regulations of  
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## Tristel One-Shot for Wassenburg Activator & Base Safety Data Sheet

<b>1. Identification</b>		<b>1. Identification</b>	
<b>Product Name:</b>	Tristel One Shot for Wassenburg - Activator	<b>Product Name:</b>	Tristel One-Shot for Wassenburg – Base
<b>Chemical Type:</b>	Sodium salt solution	<b>Chemical Type:</b>	Organic acid blend
<b>2. Hazards Identification:</b>	No specific hazards Contact with acids liberates chlorine dioxide	<b>2. Hazards Identification:</b>	No specific hazards
<b>3. Composition/information on ingredients:</b>		<b>3. Composition/information on ingredients:</b>	
<b>Major ingredients:</b>	2.2% Sodium Chlorite solution in de-mineralised water	<b>Major ingredients:</b>	4.5% solution of Citric Acid, 0.05% Boric Acid 0.05% Sorbic Acid in de-mineralised water
<b>4. First-aid measures:</b>		<b>4. First-aid measures:</b>	
Inhalation:	Non-toxic	Inhalation:	Non-toxic
Eye contact:	Rinse eyes with water	Eye contact:	Rinse eyes with water
Skin contact:	Wash affected area 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	Ingestion:	Do not induce vomiting give milk or water to drink  Seek medical advice where necessary
<b>5. Fire fighting measures:</b>		<b>5. Fire fighting measures:</b>	
Non flammable		Non flammable	
<b>6. Accidental release measures:</b>		<b>6. Accidental release measures:</b>	
<b>Environmental Precautions:</b>	Environmental precautions required but product is biodegradable under OECD conditions operational 6/1995	<b>Environmental Precautions:</b>	Environmental precautions required but product is biodegradable under OECD conditions operational 6/1995
<b>Clean up method:</b>	Flush to drain with water or soak up onto inert material and dispose of with clinical waste	<b>Clean up method:</b>	Flush to drain with water or soak up onto inert material and dispose of with clinical waste
<b>Clothing for disposal:</b>	Wear appropriate gloves and apron	<b>Clothing for disposal:</b>	Wear appropriate gloves and apron
		This document conforms with the Regulations of REACH, 2007	

# Tristel One-Shot for Wassenburg Activator & Base Safety Data Sheet

<b>Product Name:</b> Tristel One-Shot for Wassenburg – Activator	<b>Product Name:</b> Tristel One-Shot for Wassenburg - Base
<b>7. Handling and storage:</b>  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 2 Year shelf life – see product for expiry date	<b>7. Handling and storage:</b>  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 2 Year shelf life - see product for expiry date
<b>8. Exposure controls/personal protection:</b>  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	<b>8. Exposure controls/personal protection:</b>  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
<b>9. Physical and chemical Properties:</b>  Physical state: Liquid  Appearance and odour: Clear colourless solution, no odour  Evaporation rate: As water  Boiling point: As water  Freezing point: As water  % Volatile (by weight): Not known	<b>9. Physical and chemical Properties:</b>  Physical state: Liquid  Appearance and odour: Pale blue solution, no odour  Evaporation rate: As water  Boiling point: As water  Freezing point: As water  % Volatile (by weight): Not known  <div style="text-align: right;">           This document conforms with the Regulations of REACH, 2007         </div>

# Tristel One-Shot for Wassenburg Activator & Base Safety Data Sheet

<b>Product Name:</b> Tristel One-Shot for Wassenburg - Activator	<b>Product Name:</b> Tristel One-Shot for Wassenburg - Base
<b>Physical and chemical Properties continued:</b>  Solubility in water (20° C) Soluble  pH: 11.5 – 12.5  Specific gravity: 1.025 @ 20° C	<b>Physical and chemical Properties continued:</b>  Solubility in water (20° C) Soluble  pH: 1.5 – 4.0  Specific gravity: 1.060 @ 20° C
<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>11. Toxicological information:</b>  Acute oral LD50: >11750 mg/kg Irritation to Skin: Mild irritant under prolonged contact  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  <div style="text-align: right;">           This document conforms with the Regulations of REACH, 2007         </div>

