

# Tristel One-Shot for Wassenburg

## Working Solution Safety Data Sheet

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

Revision Number  
TOS440/SDS/008  
Publication Date  
16.7.07

**Product Code:** TOS440

Type of product: Single-Use sterilising solution for medical instruments processed in Wassenburg washer-disinfectors

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

Telephone Number: +44 (0) 1638 721500

Fax Number: +44 (0) 1638 721911

Emergency Number: +44 (0) 7798 805692 (out of business hours)

Chemical type: Mild Oxidising Solution

### Composition:

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

**Hazards identification:** Chlorine dioxide generator  
(OES of 0.3ppm short term; 0.1ppm long term)

### 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

**Fire fighting measures:** Non flammable

### 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

This document conforms with Regulation 6 of the Chemical (Hazard Information and Packaging Supply) Regulations 2002 (CHIP3)

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### Handling and storage:

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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

### Exposure controls/personal protection:

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

Skin contact: Low risk  
No known hazard

Eye contact: Low risk  
No known hazard

Inhalation: Low risk

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

### Physical and chemical properties:

Physical state: Liquid  
Appearance and odour: Light yellow with mild odour  
Evaporation rate: As water  
Boiling point: 101 degrees centigrade  
Freezing point: As water  
% Volatile (by weight): Not known  
Solubility in water (20°C): Soluble  
pH: 6.0 approximately  
Specific gravity 1.005 @ 20°C

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the Chemical (Hazard  
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### Stability and reactivity:

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Decomposes to simple salt solution

Hazardous decomposition products: None under normal use

Chlorine donors and oxygen produced if heated

### Toxicological information:

LD50 (oral, rat)	>5,000 mg/kg
Irritation to skin (rabbit)	Negative
Irritation to eyes (rabbit)	Negative
Sensitisation (guinea pig)	Negative

**Ecological information:** Presents no known hazards to the environment

### 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

**Transport information:** No special conditions apply, non hazardous

### Regulatory information:

Not a licensed medicine

Approved under EEC 93/42 for contact with medical instruments

### Other information:

Safety phrases:

(2) Keep out of reach of children

(50) Do not mix with other chemicals

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

Product Name: <b>Tristel One Shot for Wassenburg - Activator</b>		Product Name: <b>Tristel One-Shot for Wassenburg - Base</b>		Revision Number TOS440/SDS/008 Publication Date 16.7.07
<b>Chemical Type:</b>	Sodium salt solution	<b>Chemical Type:</b>	Organic acid blend	
<b>Composition/information on ingredients:</b>		<b>Composition/information on ingredients:</b>		
<b>Major ingredients:</b>	2.0% Sodium chlorite solution in de-mineralised water	<b>Major ingredients:</b>	4.0% solution of citric acid, with preservatives and corrosion inhibitors in de-mineralised water	
<b>Hazards Identification:</b>	No specific hazards Contact with acids liberates chlorine dioxide	<b>Hazards Identification:</b>	No specific hazards	
<b>First-aid measures:</b>		<b>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>Fire fighting measures:</b>		<b>Fire fighting measures:</b>		
	Non flammable		Non flammable	
<b>Accidental release measures:</b>		<b>Accidental release measures:</b>		
Environmental Precautions:	Environmental precautions required but product is biodegradable under OECD conditions operational 6/1995	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	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	Clothing for disposal:	Wear appropriate gloves and apron	

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# 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	Revision Number TOS440/SDS/008 Publication Date 16.7.07
<b>Handling and storage:</b>	<b>Handling and storage:</b>	
Handling guidelines: Safe handling in accordance with label instructions  Not to be mixed with other chemicals  Keep from children	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	Storage guidelines: Store out of direct sunlight	
<b>Exposure controls/personal protection:</b>	<b>Exposure controls/personal protection:</b>	
Personal protection: Avoid eye contact and prolonged skin contact  Gloves and apron recommended	Personal protection: Avoid eye contact and prolonged skin contact  Gloves and apron recommended	
Skin contact: Low risk  No known hazard	Skin contact: Low risk  No known hazard	
Eye contact: Low risk No known hazard	Eye contact: Low risk No known hazard	
Inhalation: Low risk	Inhalation: Low risk	
Ingestion: Low risk, substantial ingestion may cause discomfort to mouth and digestive tissues	Ingestion: Low risk, substantial ingestion may cause discomfort to mouth and digestive tissues	
<b>Physical and chemical Properties:</b>	<b>Physical and chemical Properties:</b>	
Physical state: Liquid	Physical state: Liquid	
Appearance and odour: Clear colourless solution, no odour	Appearance and odour: Pale blue, no odour	
Evaporation rate: As water	Evaporation rate: As water	
Boiling point: 110 degrees centigrade	Boiling point: 102 degrees centigrade	

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<b>Physical and chemical Properties continued:</b>	<b>Physical and chemical Properties continued:</b>	
Freezing point: As water	Freezing point: As water	
% Volatile (by weight): Not known	% Volatile (by weight): Not known	
Solubility in water (20° C): Soluble	Solubility in water (20° C): Soluble	
pH: 12.0 approximately	pH: 5.0 approximately	
Specific gravity: 1.022 @ 20° C	Specific gravity: 1.085 @ 20° C	
<b>Stability and reactivity:</b>	<b>Stability and reactivity:</b>	
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	
<b>Toxicological information:</b>	<b>Toxicological information:</b>	
Animal studies: No known risks to skin exposure	Acute oral LD50: >4000 mg/kg	
Human studies: No known risks to skin exposure	Animal studies: No known risks to skin exposure	
	Human studies: No known risks to skin exposure	
<b>Ecological information:</b>	<b>Ecological information:</b>	
No known adverse effects from normal use	No known adverse effects from normal use	
<b>Disposal considerations:</b>	<b>Disposal considerations:</b>	
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	This document conforms with Regulation 6 of the Chemical (Hazard Information and Packaging Supply) Regulations 2002 (CHIP3)
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	

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## Disposal considerations continued:

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

## Disposal considerations continued:

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

## Transport information:

No special conditions apply, non hazardous

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No special conditions apply, non hazardous

## Regulatory information:

Not a licensed medicine

Approved under EEC 93/42 for contact with medical instruments

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## 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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