

# Tristel Duo for Laboratories

## Activated Foam Safety Data Sheet

**Product Name:** Tristel Duo for Laboratories –  
Activated Foam

Revision Number  
DUO/LAB/SDS/001  
Publication Date  
17.05.07

**Product Code:** DUO/LAB

Type of product: Sporidical surface cleaner

**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	0.015	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: Dispose of to clinical waste

Clothing for disposal: Wear appropriate gloves and apron

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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 within a temperature range of 10° C to 35° C  
Single use foam

### Exposure controls/personal protection:

Personal protection: Avoid eye contact and prolonged skin contact  
Gloves 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: White 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: 5.0 approximately

Specific gravity 1.005 @ 20°C

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### 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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### 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: Dispose of to clinical waste

**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 Duo for Laboratories

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

Product Name: <span style="color: #00AEEF;">Tristel Duo for Labs – Activator Solution</span>		Product Name: <span style="color: #00AEEF;">Tristel Duo for Labs – Base Solution</span>		Revision Number DUO/LAB/SDS/001 Publication Date 17.05.07
<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>	0.5% Sodium chlorite solution in de-mineralised water	<b>Major ingredients:</b>	5% solution of citric acid, with preservatives 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:	Dispose of to clinical waste	Clean up method:	Dispose of to clinical waste	
Clothing for disposal:	Wear appropriate gloves	Clothing for disposal:	Wear appropriate gloves	
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## Tristel Duo for Laboratories

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

Product Name: <b>Tristel Duo for Labs – Activator Solution</b>		Product Name: <b>Tristel Duo for Labs – Base Solution</b>		Revision Number DUO/LAB/SDS/001 Publication Date 17.05.07
<b>Handling and storage:</b>		<b>Handling and storage:</b>		
Handling guidelines:	Safe handling in accordance with label instructions	Handling guidelines:	Safe handling in accordance with label instructions	
	Not to be mixed with other chemicals		Not to be mixed with other chemicals	
	Keep from children		Keep from children	
Storage guidelines:	Store within a temperature range of 10° C to 35° C	Storage guidelines:	Store within a temperature range of 10° C to 35° C	
	Shelf life – two years – see product for expiry date		Shelf life – two years – see product for expiry date	
<b>Exposure controls/personal protection:</b>		<b>Exposure controls/personal protection:</b>		
Personal protection:	Avoid eye contact and prolonged skin contact	Personal protection:	Avoid eye contact and prolonged skin contact	
	Gloves recommended		Gloves recommended	
Skin contact:	Low risk	Skin contact:	Low risk	
	No known hazard		No known hazard	
Eye contact:	Low risk	Eye contact:	Low risk	
	No known hazard		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, no odour	Appearance and odour:	Blue, no odour	
Evaporation rate:	As water	Evaporation rate:	As water	
Boiling point:	101 degrees centigrade	Boiling point:	102 degrees centigrade	
Freezing point:	As water	Freezing point:	As water	
% Volatile (by weight):	Not known	% Volatile (by weight):	Not known	

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

<b>Product Name:</b> Tristel Duo for Labs – Activator Solution	<b>Product Name:</b> Tristel Duo for Labs – Base Solution	Revision Number DUO/LAB/SDS/001 Publication Date 17.05.07
<b>Physical and chemical Properties continued:</b>	<b>Physical and chemical Properties continued:</b>	
Solubility in water (20° C) Soluble	Solubility in water (20° C) Soluble	
pH: 11.0 -12.0 approximately	pH: 6.0 approximately	
Specific gravity: 1.023 @ 20° C	Specific gravity: 1.002 @ 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	
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	This document conforms with Regulation 6 of the Chemical (Hazard Information and Packaging Supply Regulations 2002 (CHIP3)

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

<b>Product Name:</b>	Tristel Duo for Labs– Activator Solution	<b>Product Name:</b>	Tristel Duo for Labs– Base Solution	Revision Number DUO/LAB/SDS/001 Publication Date 17.05.07
<b>Transport information:</b>	<b>Transport information:</b>			
No special conditions apply, non hazardous	No special conditions apply, non hazardous			
<b>Regulatory information:</b>	<b>Regulatory information:</b>			
Not a licensed medicine	Not a licensed medicine			
Approved under EEC 93/42 for contact with medical instruments	Approved under EEC 93/42 for contact with medical instruments			
<b>Other information:</b>	<b>Other information:</b>			
Safety phrases	Safety phrases			
(2) Keep out of reach of children	(2) Keep out of reach of children			
(24/25) Avoid contact with skin and eyes	(24/25) Avoid contact with skin and eyes			
(50) Do not mix with other chemicals	(50) Do not mix with other chemicals			
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