

Tristel Duo for Laboratories

Activated Foam Safety Data Sheet

1. Identification

Product Name: Tristel Duo for Laboratories –

Product Code: DUO/LAB

Type of product: 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

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	0.1-0.12	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 milk or 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: Dispose of to clinical waste

Clothing for disposal: Wear appropriate gloves and apron

This document conforms
with the Regulations of
REACH, 2007

Tristel Duo for Laboratories

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

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

9. Physical and chemical properties:

Physical state:	Liquid
Appearance and odour:	White 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:	5.0 approximately
Specific gravity	1.005 @ 20°C

This document conforms
with the Regulations of
REACH, 2007

Tristel Duo for Laboratories

Activated Foam Safety Data Sheet

10. Stability and reactivity:

Solution 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:	Dispose of to clinical waste

14. Transport information:

Not applicable

15. Regulatory information:

Not a licensed medicine

Approved under EEC 93/42 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

This document conforms
with the Regulations of
REACH, 2007

Tristel Duo for Laboratories

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

1. Identification		1. Identification	
Product Name:	Tristel Duo for Labs – Activator Solution Sodium salt solution	Product Name:	Tristel Duo for Labs – Base Solution Organic acid blend
Chemical Type:		Chemical Type:	
2. Hazards Identification:		2. Hazards Identification:	
No specific hazards Contact with acids liberates chlorine dioxide		No specific hazards	
3. Composition/information on ingredients:		3. Composition/information on ingredients:	
Major ingredients:	0.5% Sodium Chlorite solution 2.0% Foaming Surfactant in de-mineralised water	Major ingredients:	5% solution of Citric Acid 0.05% Boric Acid 0.05% Sorbic Acid 2.0% Foaming surfactant in de-mineralised water
4. First-aid measures:		4. First-aid measures:	
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
5. Fire fighting measures:		5. Fire fighting measures:	
Non flammable		Non flammable	
6. Accidental release measures:		6. Accidental release measures:	
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

This document conforms with the Regulations of REACH, 2007

Tristel Duo for Laboratories

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

Product Name: Tristel Duo for Labs – Activator Solution	Product Name: Tristel Duo for Labs – Base Solution
<p>7. Handling and storage:</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>7. Handling and storage:</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>8. Exposure controls/personal protection:</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>8. Exposure controls/personal protection:</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>9. Physical and chemical Properties:</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>9. Physical and chemical Properties:</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>

This document conforms with the Regulations of REACH, 2007

Tristel Duo for Laboratories

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

Product Name: Tristel Duo for Labs – Activator Solution	Product Name: Tristel Duo for Labs – Base Solution
Physical and chemical Properties continued: pH: 12.5 approximately Specific gravity: 1.025 @ 20° C	Physical and chemical Properties continued: pH: 3.0 approximately Specific gravity: 1.005 @ 20° C
10. Stability and reactivity: No decomposition if stored and used as directed Hazardous decomposition products: None under normal use Chlorine donors and oxygen produced if heated	10. Stability and reactivity: No decomposition if stored and used as directed Hazardous decomposition products: None under normal use Not compatible with alkaline substance and chlorine donors
11. Toxicological information: Sodium Chlorite Acute Oral LD50: >4000 mg/kg Irritation to skin: Minimally irritating Irritation to eyes: Mild irritant Surfactant Acute Oral LD50: >2000 mg/kg Irritation to skin: Mildly irritating Irritation to eyes: Irritant	11. Toxicological information: Citric Acid Acute oral LD50: >11750 mg/kg Irritation to Skin: Mild irritant under prolonged contact Irritation to Eyes: Irritant Surfactant Acute Oral LD50: >2000 mg/kg Irritation to skin: Mildly irritating Irritation to eyes: Irritant
12. Ecological information: No known adverse effects from normal use	12. Ecological information: No known adverse effects from normal use
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	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 This document conforms with the Regulations of REACH, 2007

