

Tristel One Day Concentrate for Laboratories

Working Solution Safety Data Sheet

1. Identification

Product Name: **Tristel One Day Concentrate for Laboratories – Working solution**

Product Code: T1DC/LAB

Type of product: Sporicidal Disinfectant For Use in Laboratories

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

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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 Water	10049-04-4	233-162-8	0.021-0.026	ClO ₂ 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: 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 One day solution

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:	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:	6.0 approximately
Specific gravity	1.005 @ 20°C

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with the Regulations of
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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

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

14. Transport information: Not applicable

15. Regulatory information:

Not a licensed medicine

Approved under EEC 93/42 and the 2007/47 amendments thereto for contact with medical devices

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 Day Concentrate for Laboratories

Activated Concentrate Safety Data Sheet

1. Identification

Product Name: **Tristel One Day Concentrate for Laboratories – Activated Concentrate**

Notice: Under normal conditions the concentrate is rapidly diluted into the required volume of water as per user instructions supplied with the product. Therefore prolonged contact with the activated concentrate prior to dilution is unlikely to occur. However, the information below should be used in the event of a spill of the activated concentrate.

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	0.48 – 0.52%	ClO ₂

4. First aid measures:

Inhalation: Move subject to fresh air
Eye contact: Rinse eyes immediately with copious quantities of water
Skin contact: Wash affected area with water
Ingestion: Do not induce vomiting. Give plenty of 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: Dilute with water and flush to drain or soak up onto inert material and dispose of with clinical waste
Clothing for disposal: Wear appropriate gloves and apron

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Tristel One Day Concentrate for Laboratories

Activated Concentrate Safety Data Sheet

7. Handling and storage:

Handling guidelines: Safe handling in accordance with label instructions; activated concentrate should be diluted in water immediately after opening sachet
Not to be mixed with other chemicals
Keep away from children

Storage guidelines: Do not store activated concentrate

8. Exposure controls/personal protection:

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

Skin contact: Low risk

Eye contact: Low risk

Inhalation: Moderate risk

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

9. Physical and chemical properties:

Physical state: Liquid

Appearance and odour: Straw 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: 5.5 approximately

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with the Regulations of
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Activated Concentrate Safety Data Sheet

10. Stability and reactivity:

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	>3000 mg/kg
Irritation to skin	Negative
Irritation to eyes	Minimal Irritation
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:	Solution to be disposed of in accordance with spillage instructions as explained in accidental release measures

14. Transport information:

Not applicable

15. Regulatory information:

Not a licensed medicine

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 One Day Concentrate for Laboratories Activator & Base Safety Data Sheet

1. Identification		1. Identification	
Product Name:	T1DC for Labs – Activator	Product Name:	T1DC for Labs – Base
Chemical Type:	Sodium salt solution	Chemical Type:	Organic acid blend
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:	2.0% Sodium Chlorite solution in de-mineralised water	Major ingredients:	4.5% solution of Citric Acid, 0.05% Boric Acid, 0.05% Sorbic Acid 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:	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 Day Concentrate for Laboratories

Activator & Base Safety Data Sheet

Product Name: T1DC for Labs – Activator	Product Name: T1DC for Labs – Base
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 Two years shelf life – see product for expiry date	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 Two years shelf life – see product for expiry date
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	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: Clear colourless solution, no odour Evaporation rate: As water Boiling point: As water Freezing point: As water % Volatile (by weight): Not known	9. Physical and chemical Properties: 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 This document conforms with the Regulations of REACH, 2007

Tristel One Day Concentrate for Laboratories

Activator & Base Safety Data Sheet

Product Name: T1DC for Labs – Activator	Product Name: T1DC for Labs – Base
Physical and chemical Properties continued: Solubility in water (20° C) Soluble pH: 11.5 – 12.5 Specific gravity: 1.025 @ 20° C	Physical and chemical Properties continued: Solubility in water (20° C) Soluble pH: 4.5 – 5.5 Specific gravity: 1.085 @ 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: Mild irritant under prolonged contact 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
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

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