

Tristel Fuse for Laboratories

Working Solution Safety Data Sheet

Product Name: Tristel Fuse for Laboratories – Working Solution

Revision Number
FUS/LAB/SDS/002
Publication Date
16.7.07

Product Code: FUS/LAB

Type of product: Sporidical Disinfectant

Supplier: 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	0.02-0.025	Cl ₂
Water				H ₂ 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 Chemicals (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

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: 5.5 approximately

Specific gravity: 1.005 @ 20°C

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with Regulation 6 of the
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2002 (CHIP3)

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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

Other information:

Safety phrases:

(2) Keep out of reach of children

(50) Do not mix with other chemicals

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with Regulation 6 of the
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Tristel Fuse for Laboratories

Activator & Base Safety Data Sheet

Product Name: Tristel Fuse for Laboratories – Activator Solution		Product Name: Tristel Fuse for Laboratories – Base Solution		Revision Number FUS/LAB/SDS/002 Publication Date 16.7.07
Chemical Type:	Sodium salt solution	Chemical Type:	Organic acid blend	
Composition/information on ingredients:		Composition/information on ingredients:		
Major ingredients:	2.1% Sodium chlorite solution in de-mineralised water	Major ingredients:	5% solution of citric acid, with preservatives and surfactant system in de-mineralised water	
Hazards Identification:	No specific hazards Contact with acids liberates chlorine dioxide	Hazards Identification:	No specific hazards	
First-aid measures:		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	
Fire fighting measures:		Fire fighting measures:		
Non flammable		Non flammable		
Accidental release measures:		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	This document conforms with Regulation 6 of the Chemicals (Hazard Information and Packaging Supply) Regulations 2002 (CHIP3)
Clothing for disposal:	Wear appropriate gloves and apron	Clothing for disposal:	Wear appropriate gloves and apron	

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Activator & Base Safety Data Sheet

Product Name: Tristel Fuse for Laboratories – Activator Solution		Product Name: Tristel Fuse for Laboratories – Base Solution		Revision Number FUS/LAB/SDS/002 Publication Date 16.7.07
Handling and storage:		Handling and storage:		
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 Shelf life – two years – see product for expiry date	Storage guidelines:	Store out of direct sunlight Shelf life – two years – see product for expiry date	
Exposure controls/personal protection:		Exposure controls/personal protection:		
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	
Physical and chemical Properties:		Physical and chemical Properties:		
Physical state:	Liquid	Physical state:	Liquid	
Appearance and odour:	Clear colourless solution, no odour	Appearance and odour:	Pale green, mild odour	
Evaporation rate:	As water	Evaporation rate:	As water	
Boiling point:	101 degrees centigrade	Boiling point:	102 degrees centigrade	
				This document conforms with Regulation 6 of the Chemicals (Hazard Information and Packaging Supply) Regulations 2002 (CHIP2)

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Product Name: Tristel Fuse for Laboratories – Activator Solution

Physical and chemical Properties continued:

Freezing point: As water

% Volatile (by weight): Not known

Solubility in water (20° C): Soluble

pH: 11.5 - 13 approximately

Specific gravity: 1.060 @ 20° C

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

Toxicological information:

Animal studies: No known risks to skin exposure

Human studies: No known risks to skin exposure

Ecological information:

No known adverse effects from normal use

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 Name: Tristel Fuse for Laboratories – Base Solution

Physical and chemical Properties continued:

Freezing point: As water

% Volatile (by weight): Not known

Solubility in water (20° C): Soluble

pH: 1.5 – 3.5 approximately

Specific gravity: 1.075 @ 20° C

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

Toxicological information:

Acute oral LD50: >4000 mg/kg

Animal studies: No known risks to skin exposure

Human studies: No known risks to skin exposure

Ecological information:

No known adverse effects from normal use

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

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Activator & Base Safety Data Sheet

Product Name: Tristel Fuse for Laboratories – Activator Solution

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

Regulatory information:

Not a licensed medicine

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

Product Name: Tristel Fuse for Laboratories – Base Solution

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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Safety phrases

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