

Tristel Fuse for Surfaces

Working Solution Safety Data Sheet

Product Name:	Tristel Fuse for Surfaces – Working Solution	Revision Number FUS/SUR/SDS/006 Publication Date 19.02.08
Product Code:	FUS/SUR	
Type of product:	High-level disinfecting and sporicidal solution for surfaces	
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 ₂
Surfactant:				
Decamine Oxide	2605-79-0		0.002	
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 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
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: 100 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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Information and Packaging
Supply) Regulations
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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Tristel Fuse for Surfaces

Activator & Base Safety Data Sheet

Product Name: Tristel Fuse for Surfaces – Activator Solution		Product Name: Tristel Fuse for Surfaces – Base Solution	Revision Number FUS/SUR/SDS/006 Publication Date 19.02.08
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 20% surfactant (Decamine Oxide) 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
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 Surfaces – Activator Solution	Product Name: Tristel Fuse for Surfaces – Base Solution	Revision Number FUS/SUR/SDS/006 Publication Date 19.02.08
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: 100 degrees centigrade	Boiling point: 100 degrees centigrade	

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Product Name: Tristel Fuse for Surfaces – Activator Solution	Product Name: Tristel Fuse for Surfaces – Base Solution	Revision Number FUS/SUR/SDS/006 Publication Date 19.02.08
Physical and chemical Properties continued:	Physical and chemical Properties continued:	
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: 11.5 - 13 approximately	pH: 1.5 – 3.5 approximately	
Specific gravity: 1.025 @ 20° C	Specific gravity: 1.020 @ 20° C	
Stability and reactivity:	Stability and reactivity:	
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	
Toxicological information:	Toxicological information:	
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	
Ecological information:	Ecological information:	
No known adverse effects from normal use	No known adverse effects from normal use	
Disposal considerations:	Disposal considerations:	
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	This document conforms with Regulation 6 of the Chemicals (Hazard Information and Packaging Supply) Regulations 2002 (CHIP3)

Tristel Fuse for Surfaces

Activator & Base Safety Data Sheet

Product Name: Tristel Fuse for Surfaces – 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 Surfaces – Base Solution

Disposal considerations continued:

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Other information:

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