

Tristel Duo for Ultrasound

Activated Foam Safety Data Sheet

Product Name: Tristel Duo for Ultrasound

Revision Number
DUO/U/SDS/001
Publication Date
20.03.07

Product Code: DUO/ULT

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 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: Dispose of to clinical waste

Clothing for disposal: Wear appropriate gloves and apron

This document conforms with Regulation 6 of the Chemical (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 within a temperature range of 10° C to 35° C
Single use solution

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 (foam)

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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with Regulation 6
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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 Ultrasound Foam (Activator) & Foam (Base) Safety Data Sheet

Product Name: Tristel Duo for Ultrasound – Activator Solution		Product Name: Tristel Duo for Ultrasound – Base Solution		Revision Number DUO/U/SDS/001 Publication Date 20.03.07
Chemical Type:	Sodium salt solution	Chemical Type:	Organic acid blend	
Composition/information on ingredients:		Composition/information on ingredients:		
Major ingredients:	0.5% Sodium chlorite solution in de-mineralised water	Major ingredients:	5% solution of citric acid, with preservatives 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	This document conforms with Regulation 6 of the Chemical (Hazard Information and Packaging Supply Regulations 2002 (CHIP3))
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	

Tristel Duo for Ultrasound Foam (Activator) & Foam (Base) Safety Data Sheet

Product Name: Tristel Duo for Ultrasound – Activator Solution		Product Name: Tristel Duo for Ultrasound – Base Solution		Revision Number DUO/U/SDS/001 Publication Date 20.03.07
Handling and storage:		Handling and storage:		
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 to 35° C	Storage guidelines:	Store within a temperature range of 10 to 35° C	
	Shelf life – two years – see product for expiry date		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	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	
Physical and chemical Properties:		Physical and chemical Properties:		
Physical state:	Liquid	Physical state:	Liquid	This document conforms with Regulation 6 of the Chemical (Hazard Information and Packaging Supply Regulations 2002 (CHIP3)
Appearance and odour:	Clear, no odour	Appearance and odour:	Blue, no odour	
Evaporation rate:	As water	Evaporation rate:	As water	
Boiling point:	100 degrees centigrade	Boiling point:	100 degrees centigrade	
Freezing point:	As water	Freezing point:	As water	
% Volatile (by weight):	Not known	% Volatile (by weight):	Not known	

Tristel Duo for Ultrasound Foam (Activator) & Foam (Base) Safety Data Sheet

Product Name: Tristel Duo for Ultrasound – Activator Solution	Product Name: Tristel Duo for Ultrasound - Base Solution	Revision Number DUO/U/SDS/001 Publication Date 20.03.07
Physical and chemical Properties continued:	Physical and chemical Properties continued:	
Solubility in water (20° C) Soluble	Solubility in water (20° C) Soluble	
pH: 11.5 – 12.5	pH: 2.0 – 3.0	
Specific gravity: 1.005 @ 20° C	Specific gravity: 1.025 @ 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 Chemical (Hazard Information and Packaging Supply Regulations 2002 (CHIP3)
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	

Tristel Duo for Ultrasound Foam (Activator) & Foam (Base) Safety Data Sheet

Product Name: Tristel Duo for Ultrasound – Activator Solution	Product Name: Tristel Duo for Ultrasound - Base Solution	Revision Number DUO/U/SDS/001 Publication Date 20.03.07
Transport information: No special conditions apply, non hazardous	Transport information: No special conditions apply, non hazardous	
Regulatory information: Not a licensed medicine Approved under EEC 93/42 for contact with medical instruments	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 (24/25) Avoid contact with skin and eyes 50) Do not mix with other chemicals	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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