

Tristel Duo for Surfaces Foam

Activated Foam Safety Data Sheet

Product Name: Tristel Duo for Surfaces Activated Foam

Revision Number
TDF/SDS/003
Publication Date
4.9.06

Product Code: DUO/SUR

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

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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 Surfaces Foam

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

| Product Name: Tristel Duo for Surfaces – Activator Solution | Product Name: Tristel Duo for Surfaces – Base Solution | Revision Number TDF/SDS/003 Publication Date 4.9.06 |
|--|--|--|
| 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 | |
| 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 | |
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Tristel Duo for Surfaces Foam

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

| Product Name: Tristel Duo for Surfaces – Activator Solution | | Product Name: Tristel Duo for Surfaces – Base Solution | | Revision Number TDF/SDS/003 Publication Date 4.9.06 |
|--|---|---|---|--|
| 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° C to 35° C | Storage guidelines: | Store within a temperature range of 10° C 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 | |
| Appearance and odour: | Clear, no odour | Appearance and odour: | Blue, no odour | |
| Evaporation rate: | As water | Evaporation rate: | As water | |
| Boiling point: | 101 degrees centigrade | Boiling point: | 102 degrees centigrade | |
| Freezing point: | As water | Freezing point: | As water | |
| % Volatile (by weight): | Not known | % Volatile (by weight): | Not known | |

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

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| Product Name: Tristel Duo for Surfaces – Activator Solution | Product Name: Tristel Duo for Surfaces – Base Solution | Revision Number TDF/SDS/003 Publication Date 4.9.06 |
| Physical and chemical Properties continued: | Physical and chemical Properties continued: | |
| Solubility in water (20° C) Soluble | Solubility in water (20° C) Soluble | |
| pH: 11.70 approximately | pH: 5.97 approximately | |
| Specific gravity: 1.023 @ 20° C | Specific gravity: 1.002 @ 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 | |

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

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|--|--|--|
| Product Name: Tristel Duo for Surfaces – Activator Solution | Product Name: Tristel Duo for Surfaces – Base Solution | Revision Number TDF/SDS/003 Publication Date 4.9.06 |
| 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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