

### **SAFETY DATA SHEET**

Compilation Date: 27.06.2018

Revision No.: 1

Section 1. Identification of the material and the supplier

**Product:** Tristel DUO EVE Activator Solution

**Product Use:** To be used with Tristel DUO EVE Base Solution. For professional

use only. Uses advised against: Uses other than the intended

use of the product.

**Restrictions of use:** Refer to Section 15

New Zealand Supplier: Tristel New Zealand Limited

23 Birch Ave, Judea Tauranga, 3110

**Telephone:** +64 (7) 577 1560

**Fax Number:** +64 (7) 577 1567

Email: info@tristel.co.nz

**Emergency No:** 0800 764 766 (National Poison Centre)

Australian Supplier: Tristel Pty Ltd

40/328 Reserve Road Cheltenham, VIC, 3192

**Telephone No:** 1300 680 898 (within Australia)

+61 3 958 36181 (outside Australia)

**Emergency No:** 13 11 26 (National Poison Line)

Section 2. Hazards Identification

Australia – This substance is non-hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals, 3rd Revised Edition

NZ - This substance is non-hazardous according to EPA Hazardous Substances (Classification) Notice 2017

NZ - EPA Approval Code: None assigned

Product Name: Tristel DUO EVE Activator Solution

Date of SDS: 27.06.2018

## Section 3. Composition of hazardous Ingredients

| Hazardous Ingredients          | CAS NUMBER | GHS Classification  | Percentage %  |
|--------------------------------|------------|---------------------|---------------|
|                                |            | Eye Dam. 1: H318;   |               |
|                                |            | Ox. Sol. 2: H272;   |               |
|                                | 7758-19-2  | Acute Tox. 4:       |               |
| Sodium Chlorite 100%           |            | H302; Acute Tox.    | <b>&lt;</b> 1 |
| 33 2.5 5 5                     | 7730 -7 -  | 3: H311; Skin Corr. | <b>\1</b>     |
|                                |            | 1B: H314; Aquatic   |               |
|                                |            | Acute 1: H400;      |               |
|                                |            | STOT RE 2: H373     |               |
|                                |            | Aquatic Acute 1:    |               |
| 1-Decanamine, N, N-dimethyl-N- |            | H400; Aquatic       |               |
| oxide                          | 2605-79-0  | Chronic 2: H411;    | <b>&lt;1</b>  |
| SAI UC                         |            | Eye Dam. 1: H318;   |               |
|                                |            | Acute Tox. 4: H302  |               |

| Section 4. | First Aid Measures |
|------------|--------------------|
| Section 4. | riist Ald Measures |

## Routes of Exposure:

If in Eyes Rinse eyes with water and seek medical advice if irritation persists.

If on Skin Wash immediately with plenty of soap and water.

If Swallowed Wash out mouth with water.

If Inhaled Move to fresh air in case of accidental inhalation of vapours.

## Most important symptoms and effects, both acute and delayed

Ingestion There may be irritation of the throat.

Inhalation There may be irritation of the throat with a feeling of tightness in the chest.

## Section 5. Fire Fighting Measures

| Hazard Type              | The product is not flammable.  |
|--------------------------|--|
| Hazards from products    | In combustion emits toxic fumes.   |
| Suitable Extinguishing   | Suitable extinguishing media for the surrounding fire should be used. Use    |
| media                    | water spray to cool containers.  |
| Precautions for          | Wear self-contained breathing apparatus. Wear protective clothing to prevent |
| firefighters and special | contact with skin and eyes.  |
| protective clothing      |  |
| HAZCHEM CODE             | None allocated   |

Product Name: Tristel DUO EVE Activator Solution

Date of SDS: 27.06.2018

### Section 6. Accidental Release Measures

For personal protection, see Section 8. Evacuate all unprotected personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Prevent product from entering drains. Dispose of according to Local Regulations.

## Section 7. Handling and Storage

### Handling:

- Read label before use.
- Avoid direct contact with the substance.
- Avoid the formation or spread of mists in the air.
- Use only in a well-ventilated area.

### Storage:

- Store in cool, well ventilated area.
- Keep container tightly closed.
- Store away from incompatible materials listed in Section 10.

| Section 8 Exposure Controls / Personal Protection |
|---|
|---|

### WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

TWA STEL
Substance ppm mg/m³ ppm mg/m³

No ingredients have exposure limits

### **Engineering Controls**

Ensure there is sufficient ventilation of the area.

### **Personal Protection Equipment**

| Respiratory | Respiratory protection not required.   |
|-------------|--|
| Skin        | Product is classified as non-hazardous |
| Eve         | Product is classified as non-hazardous |

| Section 9 Physical and Chemical Properties | al and Chemical Properties |
|--|----------------------------|
|--|----------------------------|

| Appearance | Liquid        |
|------------|---------------|
| Colour     | Colourless    |
| Odour      | Not available |

Product Name: Tristel DUO EVE Activator Solution

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| Odour Threshold           | Not available |
|---------------------------|---------------|
| pH                        | 10.3-11.3     |
| Boiling Point             | Not available |
| Melting Point             | Not available |
| Freezing Point            | Not available |
| Flash Point               | Not available |
| Flammability              | Not available |
| Upper and Lower Explosive | Not available |
| Limits                    |               |
| Vapour Pressure           | Not available |
| Vapour Density            | Not available |
| Relative Density          | 1.000 - 1.010 |
| Solubility                | Not available |
| Partition Coefficient:    | Not available |
| Auto Ignition temp        | Not available |
| Oxidising                 | Not available |
| Viscosity                 | Not available |
| Evaporation Rate          | Not available |
| VOC                       | Not available |
| Solid content             | Not available |
| VOC                       | Not available |

#### Section 10. Stability and Reactivity

| Stability of Substance  | Stable under recommended handling and storage conditions. |
|-------------------------|---|
| Conditions to Avoid     | Heat.   |
| Incompatible Materials  | Strong oxidising agents. Strong Acids.                    |
| Hazardous Decomposition | In combustion emits toxic fumes.                          |
| Products                |   |

| Section 11 | Toxicological Information |  |
|------------|---------------------------|--|
|            |                           |  |

## **Acute Effects:**

| Ingestion    | There may be irritation of throat.  |
|--------------|---|
| Inhalation   | There may be irritation of the throat with a feeling of tightness in the chest. |
| Skin contact | There may be mild irritation at site of contact.                                |
| Eye contact  | There may be irritation and redness.  |

## **Chronic Effects:**

| Carcinogenicity        | Not applicable. |
|------------------------|-----------------|
| Reproductive Toxicity  | Not applicable. |
| Germ Cell Mutagenicity | Not applicable. |
| Aspiration             | Not applicable. |
| STOT/SE                | Not applicable. |
| STOT/RE                | Not applicable. |

Product Name: Tristel DUO EVE Activator Solution Date of SDS: 27.06.2018
Date SDS due for review: 27.06.2023

### Section 12. Ecotoxicological Information

HSNO Classes: Not applicable

| Persistence and degradability | Biodegradable.  |  |
|-------------------------------|---|--|
| Bioaccumulation               | No bioaccumulation potential.                                 |  |
| Mobility in Soil              | Readily absorbed into soil. Not classified as environmentally |  |
|                               | hazardous.  |  |
| Other adverse effects         | No data available   |  |

## **Hazardous ingredients:**

**SODIUM CHLORITE 100%** 

| Daphnia magna | 48H EC50 | 0.29    | mg/l |
|---------------|----------|---------|------|
| FISH          | 96H LC50 | 265-310 | mg/l |

## 1-DECANAMINE, N, N-DIMETHYL-N-OXIDE

| FISH  | 96H LC50  | 2.67 | mg/l      |
|-------|-----------|------|-----------|
| 11311 | 9011 2010 | 2.0/ | l '''5/ ' |

## Section 13. Disposal Precautions

Disposal Method: The user's attention is drawn to the possible existence of regional or national

regulations regarding disposal.

## Section 14 Transport Information

This product is NOT classified as a Dangerous Good for transport in Australia; ADG 7

This product is NOT classified as a Dangerous Good for transport: NZS 5433:2012

## Section 15 Regulatory Information

### Australia:

Australia – This substance is non-hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals, 3rd Revised Edition

Poison Schedule No: None assigned

### **New Zealand:**

EPA Approval Code: None assigned

Product Name: Tristel DUO EVE Activator Solution

Date of SDS: 27.06.2018

### Section 16 Other Information

Date SDS prepared: 27.06.2018

Date SDS due for review: 27.06.2023

### Glossary

EC<sub>50</sub> Median effective concentration. EEL Environmental Exposure Limit. EPA Environmental Protection Authority

HSNO Hazardous Substances and New Organisms.

Lethal concentration that will kill 50% of the test organisms.

LD<sub>50</sub> Lethal dose to kill 50% of test animals/organisms.

LEL Lower explosive level.

OSHA American Occupational Safety and Health Administration.

TEL Tolerable Exposure Limit.

TLV Threshold Limit Value-an exposure limit set by responsible authority.

UEL Upper Explosive Level WES Workplace Exposure Limit

- 1. EPA Hazardous Substances (Safety Data Sheets) Notice December 2017
- 2. Safe Work Australia NOHSC 2011 National Code of Practice.

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average

exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WES-STEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices JUNE 2016 8TH

**EDITION** 

### Disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

Please contact your local Tristel distributor if further information is required.

Product Name: Tristel DUO EVE Activator Solution

Date of SDS: 27.06.2018



### **SAFETY DATA SHEET**

Compilation Date: 27.06.2018

Revision No.: 1

Section 1. Identification of the material and the supplier

**Product:** Tristel DUO EVE Base Solution

**Product Use:** To be used with Tristel DUO EVE Activator Solution. For

professional use only. Uses advised against: Uses other than the

intended use of the product.

**Restrictions of use:** Refer to Section 15

New Zealand Supplier: Tristel New Zealand Limited

23 Birch Ave, Judea Tauranga, 3110

**Telephone:** +64 (7) 577 1560

**Fax Number:** +64 (7) 577 1567

Email: info@tristel.co.nz

**Emergency No:** 0800 764 766 (National Poison Centre)

Australian Supplier: Tristel Pty Ltd

40/328 Reserve Road Cheltenham, VIC, 3192

**Telephone No:** 1300 680 898 (within Australia)

+61 3 958 36181 (outside Australia)

**Emergency No:** 13 11 26 (National Poison Line)

Section 2. Hazards Identification

Australia — This substance is hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals, 3rd Revised Edition

NZ - This substance is hazardous according to EPA Hazardous Substances (Classification) Notice 2017

NZ - EPA Approval Code: HSR002503

Product Name: Tristel DUO EVE Base Solution

Date of SDS: 27.06.2018

Date SDS due for review: 27.06.2023

Page 1

Pictogram:



Signal Word: WARNING

HSNO Class. Hazard Hazard Statement GHS Category

Code

6.4A H319 Causes serious eye irritation Category 2A

Prevention Code Prevention Statement

| P280 | Wear eye protection. |
|------|----------------------|
|      |                      |

Response Code Response Statement

| P305 + P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
|------------------|--|
| P337 + P313      | If eye irritation persists: Get medical advice.  |

## Section 3. Composition of hazardous Ingredients

| Hazardous Ingredients               | CAS NUMBER | GHS Classification   | Percentage % |
|-------------------------------------|------------|--|--------------|
| Citric Acid Monohydrate             | 5949-29-1  | Eye Irrit.2: H319  | 1-10         |
| 1-Decanamine, N, N-dimethyl-N-oxide | 2605-79-0  | Aquatic Acute 1:<br>H400; Aquatic<br>Chronic 2: H411;<br>Eye Dam. 1: H318;<br>Acute Tox. 4: H302 | <b>(</b> 1   |

## Section 4. First Aid Measures

## **Routes of Exposure:**

If in Eyes Bathe the eye with running water for 15 minutes. Seek medical attention if eye

irritation persists.

If on Skin Wash immediately with plenty of soap and water.

If Swallowed Wash out mouth with water.

If Inhaled Move to fresh air in case of accidental inhalation of vapours.

Product Name: Tristel DUO EVE Base Solution

Date of SDS: 27.06.2018

## Most important symptoms and effects, both acute and delayed

Eye contact There may be irritation and redness. Ingestion There may be irritation of the throat.

Inhalation There may be irritation of the throat with a feeling of tightness in the chest.

## Section 5. Fire Fighting Measures

| Hazard Type              | The product is not flammable.  |
|--------------------------|--|
| Hazards from products    | In combustion emits toxic fumes.   |
| Suitable Extinguishing   | Suitable extinguishing media for the surrounding fire should be used. Use    |
| media                    | water spray to cool containers.  |
| Precautions for          | Wear self-contained breathing apparatus. Wear protective clothing to prevent |
| firefighters and special | contact with skin and eyes.  |
| protective clothing      |  |
| HAZCHEM CODE             | None allocated   |

### Section 6. Accidental Release Measures

For personal protection, see Section 8. Evacuate all unprotected personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Prevent product from entering drains. Dispose of according to Local Regulations.

### Section 7. Handling and Storage

## Handling:

- Read label before use.
- Ensure there is sufficient ventilation of the area.
- Wear protective eye protection.

#### Storage:

- Store in cool, well ventilated area.
- Keep container tightly closed.
- Store away from incompatible materials listed in Section 10.

## Section 8 Exposure Controls / Personal Protection

### WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

TWA STEL
Substance ppm mg/m³ ppm mg/m³

No ingredients have exposure limits

Product Name: Tristel DUO EVE Base Solution

Date of SDS: 27.06.2018

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# **Engineering Controls**

Ensure there is sufficient ventilation of the area.

## **Personal Protection Equipment**

| Eyes        | Wear safety glasses. Ensure eye bath is to hand. |
|-------------|--|
| Respiratory | Respiratory protection not required.             |
| Skin        | Protective gloves                                |

## Section 9 Physical and Chemical Properties

|                           | 1             |
|---------------------------|---------------|
| Appearance                | Liquid        |
| Colour                    | Blue          |
| Odour                     | Not available |
| Odour Threshold           | Not available |
| рН                        | 2.0-3.0       |
| Boiling Point             | Not available |
| Melting Point             | Not available |
| Freezing Point            | Not available |
| Flash Point               | Not available |
| Flammability              | Not available |
| Upper and Lower Explosive | Not available |
| Limits                    |               |
| Vapour Pressure           | Not available |
| Vapour Density            | Not available |
| Relative Density          | 1.020 - 1.030 |
| Solubility                | Not available |
| Partition Coefficient:    | Not available |
| Auto Ignition temp        | Not available |
| Oxidising                 | Not available |
| Viscosity                 | Not available |
| Evaporation Rate          | Not available |
| VOC                       | Not available |
| Solid content             | Not available |
| VOC                       | Not available |

# Section 10. Stability and Reactivity

| Stability of Substance  | Stable under recommended handling and storage conditions. |
|-------------------------|---|
| Conditions to Avoid     | Heat.   |
| Incompatible Materials  | Strong oxidising agents. Strong Acids.                    |
| Hazardous Decomposition | In combustion emits toxic fumes.                          |
| Products                |   |

Product Name: Tristel DUO EVE Base Solution

Date of SDS: 27.06.2018

| Section 11 | Toxicological Information |  |
|------------|---------------------------|--|
|            |                           |  |

### **Acute Effects:**

| Ingestion    | There may be irritation of throat.  |
|--------------|---|
| Inhalation   | There may be irritation of the throat with a feeling of tightness in the chest. |
| Eye Contact  | There may be irritation and redness.  |
| Skin Contact | There may be mild irritation at site of contact.                                |

## **Chronic Effects:**

| Carcinogenicity        | Not applicable. |
|------------------------|-----------------|
| Reproductive Toxicity  | Not applicable. |
| Germ Cell Mutagenicity | Not applicable. |
| Aspiration             | Not applicable. |
| STOT/SE                | Not applicable. |
| STOT/RE                | Not applicable. |

## Section 12. Ecotoxicological Information

HSNO Classes: Not applicable

| Persistence and degradability | Biodegradable.  |  |
|-------------------------------|---|--|
| Bioaccumulation               | No bioaccumulation potential.                                 |  |
| Mobility in Soil              | Readily absorbed into soil. Not classified as environmentally |  |
|                               | hazardous.  |  |
| Other adverse effects         | No data available   |  |

## **Hazardous ingredients:**

## CITRIC ACID MONOHYDRATE

| FISH | 96H LC50 | 440-706 | mg/l |
|------|----------|---------|------|
|      |          |         |      |

## 1-DECANAMINE, N, N-DIMETHYL-N-OXIDE

| FISH | 06H1CE0  | 2.67 | ma/l |
|------|----------|------|------|
| ГІЗП | 96H LC50 | 2.0/ | mg/l |

## Section 13. Disposal Precautions

Disposal Method: The user's attention is drawn to the possible existence of regional or national

regulations regarding disposal.

Product Name: Tristel DUO EVE Base Solution

Date of SDS: 27.06.2018

### Section 14

### **Transport Information**

This product is NOT classified as a Dangerous Good for transport in Australia; ADG 7

This product is NOT classified as a Dangerous Good for transport: NZS 5433:2012

### Section 15

## **Regulatory Information**

#### Australia:

Australia — This substance is hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals, 3rd Revised Edition

Poison Schedule No: None assigned

**New Zealand:** 

EPA Approval Code: HSR002503

HSNO Classification: 6.4A

### **HSNO Controls in New Zealand:**

|                             | Trigger Quantity |  |
|-----------------------------|------------------|--|
| Approved Handler            | Not required     |  |
| Location Certificate        | Not required     |  |
| Tracking Trigger Quantities | Not required     |  |
| Signage Trigger Quantities  | Not required     |  |
| Emergency Response Plan     | Not required     |  |
| Secondary Containment       | Not required     |  |
| Restriction of Use          | None             |  |

### Section 16

### Other Information

Date SDS prepared: 27.06.2018

Date SDS due for review: 27.06.2023

### Glossary

 $EC_{50}$  Median effective concentration. EEL Environmental Exposure Limit. EPA Environmental Protection Authority

HSNO Hazardous Substances and New Organisms.

 $LC_{50}$  Lethal concentration that will kill 50% of the test organisms.

Lethal dose to kill 50% of test animals/organisms.

LEL Lower explosive level.

OSHA American Occupational Safety and Health Administration.

TEL Tolerable Exposure Limit.

TLV Threshold Limit Value-an exposure limit set by responsible authority.

UEL Upper Explosive Level

Product Name: Tristel DUO EVE Base Solution

Date of SDS: 27.06.2018

- 1. EPA Hazardous Substances (Safety Data Sheets) Notice December 2017
- 2. Safe Work Australia NOHSC 2011 National Code of Practice.

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WES-STEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices JUNE 2016 8TH EDITION.

#### Disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

Please contact the distributor, Tristel, if further information is required.

Product Name: Tristel DUO EVE Base Solution

Date of SDS: 27.06.2018



### **SAFETY DATA SHEET**

Compilation Date: 27.06.2018

Revision No.: 1

Section 1. Identification of the material and the supplier

**Product:** Tristel DUO EVE Working Solution

**Product Use:** Disinfectant solution. For professional use only. Uses advised

against: Uses other than the intended use of the product.

**Restrictions of use:** Refer to Section 15

New Zealand Supplier: Tristel New Zealand Limited

23 Birch Ave, Judea Tauranga, 3110

**Telephone:** +64 (7) 577 1560

**Fax Number:** +64 (7) 577 1567

Email: info@tristel.co.nz

**Emergency No:** 0800 764 766 (National Poison Centre)

Australian Supplier: Tristel Pty Ltd

40/328 Reserve Road Cheltenham, VIC, 3192

**Telephone No:** 1300 680 898 (within Australia)

+61 3 958 36181 (outside Australia)

**Emergency No:** 13 11 26 (National Poison Line)

Section 2. Hazards Identification

Australia – This substance is non-hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals, 3rd Revised Edition

NZ - This substance is non-hazardous according to EPA Hazardous Substances (Classification) Notice 2017

NZ - EPA Approval Code: None assigned

Product Name: Tristel DUO EVE Working Solution

Date of SDS: 27.06.2018

## Section 3. Composition of hazardous Ingredients

| Non-Hazardous Ingredients (provided for guidance only) | CAS NUMBER | GHS Classification   | Percentage % |
|--|------------|--|--------------|
| Chlorine Dioxide                                       | 10049-04-4 | Acute Tox. 3: H301; Skin Corr. 1B: H314; Aquatic Acute 1: H400 | <b>(</b> 1   |

## Section 4. First Aid Measures

### Routes of Exposure:

If in Eyes Rinse eyes with water and seek medical advice if irritation persists.

If on Skin Wash immediately with plenty of soap and water.

If Swallowed Wash out mouth with water.

If Inhaled Move to fresh air in case of accidental inhalation of vapours.

## Most important symptoms and effects, both acute and delayed

Skin contact There may be mild irritation at the site of contact

Eye contact There may be irritation and redness. Ingestion There may be irritation of the throat.

Inhalation There may be irritation of the throat with a feeling of tightness in the chest.

## Section 5. Fire Fighting Measures

| Hazard Type              | The product is not flammable.  |
|--------------------------|--|
| Hazards from products    | In combustion emits toxic fumes.   |
| Suitable Extinguishing   | Suitable extinguishing media for the surrounding fire should be used. Use    |
| media                    | water spray to cool containers.  |
| Precautions for          | Wear self-contained breathing apparatus. Wear protective clothing to prevent |
| firefighters and special | contact with skin and eyes.  |
| protective clothing      |  |
| HAZCHEM CODE             | None allocated   |

## Section 6. Accidental Release Measures

For personal protection, see Section 8. Evacuate all unprotected personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Dispose of according to Local Regulations.

Product Name: Tristel DUO EVE Working Solution

Date of SDS: 27.06.2018

## Section 7. Handling and Storage

## Handling:

- Read label before use.
- Use only in a well-ventilated area.
- Wear protective eye protection.

### Storage:

- Store in cool, well ventilated area.
- Keep container tightly closed.
- Store away from incompatible materials listed in Section 10.

## Section 8 Exposure Controls / Personal Protection

## WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

| Substance        | TWA<br>ppm mg/m³ | STEL<br>ppm mg/m³ |
|------------------|------------------|-------------------|
| Chlorine Dioxide | 0.1 0.28         | 0.3 0.84          |

## **Engineering Controls**

Ensure there is sufficient ventilation of the area.

## **Personal Protection Equipment**

| Eyes           | Wear safety glasses. Ensure eye bath is to hand. |
|----------------|--|
| Hands and Skin | Wear suitable gloves and protective clothing.    |
| Respiratory    | Respiratory protection not required.             |

# Section 9 Physical and Chemical Properties

| Appearance                | Liquid        |
|---------------------------|---------------|
| Colour                    | Yellow        |
| Odour                     | Chlorine like |
| Odour Threshold           | Not available |
| pH                        | Not available |
| Boiling Point             | Not available |
| Melting Point             | Not available |
| Freezing Point            | Not available |
| Flash Point               | Not available |
| Flammability              | Not available |
| Upper and Lower Explosive | Not available |
| Limits                    |               |

Product Name: Tristel DUO EVE Working Solution

Date of SDS: 27.06.2018

| Vapour Pressure        | Not available |
|------------------------|---------------|
| Vapour Density         | Not available |
| Relative Density       | Not available |
| Solubility             | Not available |
| Partition Coefficient: | Not available |
| Auto Ignition temp     | Not available |
| Oxidising              | Not available |
| Viscosity              | Not available |
| Evaporation Rate       | Not available |
| VOC                    | Not available |
| Solid content          | Not available |
| VOC                    | Not available |

# Section 10. Stability and Reactivity

| Stability of Substance  | Stable under recommended handling and storage conditions. |
|-------------------------|---|
| Conditions to Avoid     | Heat.   |
| Incompatible Materials  | Strong oxidising agents. Strong Acids.                    |
| Hazardous Decomposition | In combustion emits toxic fumes.                          |
| Products                |   |

# Section 11 Toxicological Information

## **Acute Effects:**

| Ingestion    | There may be irritation of throat.  |  |
|--------------|---|--|
| Inhalation   | There may be irritation of the throat with a feeling of tightness in the chest. |  |
| Eye Contact  | There may be irritation and redness.  |  |
| Skin Contact | There may be irritation and redness at the site if contact.                     |  |

## **Chronic Effects:**

| Carcinogenicity        | Not applicable. |  |
|------------------------|-----------------|--|
| Reproductive Toxicity  | Not applicable. |  |
| Germ Cell Mutagenicity | Not applicable. |  |
| Aspiration             | Not applicable. |  |
| STOT/SE                | Not applicable. |  |
| STOT/RE                | Not applicable. |  |

# Section 12. Ecotoxicological Information

HSNO Classes: Not applicable

| Persistence and degradability | Biodegradable.  |
|-------------------------------|---|
| Bioaccumulation               | No bioaccumulation potential.                                 |
| Mobility in Soil              | Readily absorbed into soil. Not classified as environmentally |
|                               | hazardous.  |

Product Name: Tristel DUO EVE Working Solution

Date of SDS: 27.06.2018

Other adverse effects No data available

Section 13. Disposal Precautions

Disposal Method: The user's attention is drawn to the possible existence of regional or national

regulations regarding disposal.

Section 14 Transport Information

This product is NOT classified as a Dangerous Good for transport in Australia; ADG 7

This product is NOT classified as a Dangerous Good for transport: NZS 5433:2012

Section 15 Regulatory Information

#### Australia:

Australia – This substance is non-hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals, 3rd Revised Edition

Poison Schedule No: None assigned

New Zealand:

EPA Approval Code: None assigned

HSNO Classification: None assigned

**HSNO Controls in New Zealand:** Not required

Section 16 Other Information

Date SDS prepared: 27.06.2018

Date SDS due for review: 27.06.2023

Glossary

EC<sub>50</sub> Median effective concentration. EEL Environmental Exposure Limit. EPA Environmental Protection Authority

HSNO Hazardous Substances and New Organisms.

Lethal concentration that will kill 50% of the test organisms.

LD<sub>50</sub> Lethal dose to kill 50% of test animals/organisms.

LEL Lower explosive level.

OSHA American Occupational Safety and Health Administration.

TEL Tolerable Exposure Limit.

TLV Threshold Limit Value-an exposure limit set by responsible authority.

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UEL Upper Explosive Level WES Workplace Exposure Limit

- 1. EPA Hazardous Substances (Safety Data Sheets) Notice December 2017
- 2. Safe Work Australia NOHSC 2011 National Code of Practice.

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WES-STEL). The 15-minute average exposure standard. Applies to any 15- Minute

STEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices JUNE 2016 8TH EDITION.

### Disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

Please contact the distributor, Tristel, if further information is required.

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