

Section 1. Identification of the material and the supplier

Product:	Tristel Rinse Assure Activator Solution
Product Use:	To be used with Tristel Rinse Assure 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 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

Pictogram:



Signal Word: WARNING

Product Name: Tristel Rinse Assure Activator Solution
Date of SDS: 12.12.2018
Date SDS due for review: 12.12.2023

HSNO Class.	Hazard Code	Hazard Statement	GHS Category
6.3A	H315	Causes skin irritation	Category 2
6.4A	H319	Causes serious eye irritation	Category 2A

Prevention Code	Prevention Statement
P280	Wear protective gloves/protective clothing/eye protection
P103	Read label before use.

Response Code	Response Statement
P302 + P352	IF ON SKIN: Wash with plenty of water.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+ 313	If skin irritation occurs: Get medical advice.
P337 + 313	If eye irritation persists: Get medical advice.

Section 3. Composition of hazardous Ingredients

Hazardous Ingredients	CAS NUMBER	GHS Classification	Percentage %
Sodium Chlorite 100%	7758-19-2	Eye Dam. 1: H318; Ox. Sol. 2: H272; Acute Tox. 4: H302; Acute Tox. 3: H311; Skin Corr. 1B: H314; Aquatic Acute 1: H400; STOT RE 2: H373	1-10

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 skin irritation or rash occurs: Get medical advice.
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.

Product Name: Tristel Rinse Assure Activator Solution
Date of SDS: 12.12.2018
Date SDS due for review: 12.12.2023

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 media	Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.
Precautions for firefighters and special protective clothing	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.
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.
- Avoid direct contact with the substance.
- Avoid the formation or spread of mists in the air.
- Do not breathe fumes or vapours or spray.
- Use only in a well-ventilated area.
- Wear protective gloves/protective clothing/eye protection.

Storage:

- Store in cool, well ventilated area.
- Keep container tightly closed.
- Do not allow product to come into contact with acids.
- Store away from incompatible materials listed in Section 10.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS

Substance	TWA	STEL
	ppm mg/m ³	ppm mg/m ³

No ingredients have exposure limits

Product Name: Tristel Rinse Assure Activator Solution
 Date of SDS: 12.12.2018
 Date SDS due for review: 12.12.2023

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	Colourless
Odour	Not available
Odour Threshold	Not available
pH	9.2-12.2
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	Not available
Flammability	Not available
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Relative Density	1.010 – 1.020
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 Products	In combustion emits toxic fumes.

Product Name: Tristel Rinse Assure Activator Solution

Date of SDS: 12.12.2018

Date SDS due for review: 12.12.2023

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	There may be irritation and redness.
Skin	There may be irritation at the 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:

SODIUM CHLORITE 100%

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

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

Product Name: Tristel Rinse Assure Activator Solution

Date of SDS: 12.12.2018

Date SDS due for review: 12.12.2023

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: 6.3A, 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: 12.12.2018

Date SDS due for review: 12.12.2023

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.
LD ₅₀	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.

Product Name: Tristel Rinse Assure Activator Solution
Date of SDS: 12.12.2018
Date SDS due for review: 12.12.2023

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 (WESSTEL). 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

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

Section 1. Identification of the material and the supplier

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Product Use:	To be used with Tristel Rinse Assure 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
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NZ - EPA Approval Code: HSR002503

Pictogram:



Signal Word: WARNING

HSNO Class.	Hazard Code	Hazard Statement	GHS Category
6.3A	H315	Causes skin irritation	Category 2

Prevention Code	Prevention Statement
P280	Wear protective gloves/protective clothing/eye protection.

Response Code	Response Statement
P302 + P352	IF ON SKIN: Wash with plenty of water.
P332 + P313	If skin irritation occurs: 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

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.

Product Name: Tristel Rinse Assure Base Solution
Date of SDS: 12.12.2018
Date SDS due for review: 12.12.2023

Section 5. Fire Fighting Measures

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

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.
- Keep out of reach of children.
- Wash hands thoroughly after handling.
- Ensure there is sufficient ventilation of the area.
- Avoid direct contact with the substance.
- Avoid the formation or spread of mists in the air.
- Wear protective clothing.

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**

Substance	TWA	STEL
	ppm mg/m ³	ppm mg/m ³

No ingredients have exposure limits

Engineering Controls

Ensure there is sufficient ventilation of the area.

Product Name: Tristel Rinse Assure Base Solution
Date of SDS: 12.12.2018
Date SDS due for review: 12.12.2023

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	Blue
Odour	Not available
Odour Threshold	Not available
pH	1.5 - 3.5
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	Not available
Flammability	Not available
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Relative Density	1.040 – 1.070
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.
Hazardous Decomposition Products	In combustion emits toxic fumes.

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	There may be irritation and redness.
Skin	There may be 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
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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 hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals, 3rd Revised Edition

Poison Schedule No: Not Scheduled

New Zealand:

EPA Approval Code: HSR002503

HSNO Classification: 6.3A

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: 12.12.2018

Date SDS due for review: 17.10.2023

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.
LD ₅₀	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.

Product Name: Tristel Rinse Assure Base Solution
Date of SDS: 12.12.2018
Date SDS due for review: 12.12.2023

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 (WESSTEL). 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

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

Section 1. Identification of the material and the supplier

Product:	Tristel Rinse Assure 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
Address:	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

Section 3. Composition of hazardous Ingredients

Non- Hazardous Ingredients (provided for guidance only)	CAS NUMBER	CLP Classification	Percentage %
Chlorine Dioxide	10049-04-4	Acute Tox. 3: H301; Skin Corr. 1B: H314; Aquatic Acute 1: H400	<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 media	Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.
Precautions for firefighters and special protective clothing	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.
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.

Product Name: Tristel Rinse Assure working solution
Date of SDS: 12.12.2018
Date SDS due for review: 12.12.2023

Section 7. Handling and Storage

Handling:

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

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		STEL	
	ppm	mg/m ³	ppm	mg/m ³
Chlorine dioxide [10049-04-4]	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	No protective equipment is needed under normal use conditions.

Section 9 Physical and Chemical Properties

Appearance	Liquid
Colour	Yellow
Odour	Chlorine like
Odour Threshold	Not available
pH	2.5 - 5.5
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	Not available
Flammability	Not available
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available

Product Name: Tristel Rinse Assure working solution
Date of SDS: 12.12.2018
Date SDS due for review: 12.12.2023

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 Products	In combustion emits toxic fumes.

Section 11 Toxicological Information

Acute Effects:

Ingestion	There may be irritation of the throat.
Inhalation	There may be irritation of the throat with a feeling of tightness in the chest.
Eye	There may be irritation and redness.
Skin	There may be mild irritation at the 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.
Other adverse effects	No data available

Product Name: Tristel Rinse Assure working solution
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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: Not Scheduled

New Zealand:

EPA Approval Code: None assigned

Section 16 Other Information

Date SDS prepared: 12.12.2018

Date SDS due for review: 12.12.2023

Glossary

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EEL	Environmental Exposure Limit.
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