

Section 1. Identification of the material and the supplier

Product:	Tristel DUO NCU Base Solution
Product Use:	To be used with Tristel DUO NCU 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

Pictogram:



Signal Word: WARNING

HSNO Class.	Hazard Code	Hazard Statement	GHS Category
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: H400; Aquatic Chronic 2: H411; Eye Dam. 1: H318; Acute Tox. 4: H302	<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.

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 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.
- 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)

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.

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

Appearance	Liquid
Colour	Blue
Odour	Not available
Odour Threshold	Not available
pH	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 Limits	Not available
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 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 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
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1-DECANAMINE, N, N-DIMETHYL-N-OXIDE

FISH	96H LC50	2.67	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: 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.
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

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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 the distributor, Tristel, if further information is required.