

### SECTION 1: Product identifier

#### 1.1. GHS Product identifier

Product form : Mixture  
Product name : JET PRO ACTIVATOR SOLUTION

#### 1.2. Other means of identification

No additional information available

#### 1.3. Recommended use of the chemical and restrictions on use

Restrictions on use : Uses other than the intended use of the product.

#### 1.4. Details of manufacturer or importer

##### Manufacturer

Tristel Solutions Limited  
Unit 1B Lynx Business Park  
Fordham Road, Newmarket  
Cambridgeshire  
CB8 7NY  
United Kingdom  
T +44 (0) 1638 721500  
[SDS@tristel.com](mailto:SDS@tristel.com)

##### Supplier

Tristel Pty Ltd  
Unit 44, 328 Reserve Road  
Cheltenham, VIC, 3192

T 1300 680 898 (within Australia)  
T +61 3 958 36181 (outside Australia)

#### 1.5. Emergency phone number

National Poison Line 13 11 26

### SECTION 2: Hazard identification

#### 2.1. Classification of the hazardous chemical

##### Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Serious eye damage/eye irritation, Category 2A H319

#### 2.2. GHS Label elements, including precautionary statements

Hazard pictograms (GHS AU) :



Exclamation  
mark

Signal word (GHS AU) : Warning  
Hazard statements (GHS AU) : H319 - Causes serious eye irritation  
Precautionary statements (GHS AU) : P280 - Wear protective gloves/protective clothing/eye protection.  
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/attention.

#### 2.3. Other hazards which do not result in classification

No additional information available

# JET PRO ACTIVATOR SOLUTION

## Safety Data Sheet

according to the WHS Regulations

### SECTION 3: Composition and information on ingredients

Name	CAS-No.	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
1-DECANAMINE,N,N-DIMETHYL-N-OXIDE	2605-79-0	<1	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
SODIUM CHLORITE 100%	7758-19-2	<1	Ox. Sol. 1, H271 Acute Tox. 3 (Oral), H301 Acute Tox. 2 (Dermal), H310 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 3, H412

### SECTION 4: First aid measures

#### 4.1. Description of necessary first-aid measures

First-aid measures general	: If you feel unwell, seek medical advice.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.
Self protection of the first-aiders	: First aid workers will be equipped with suitable personal protective equipment.

#### 4.2. Symptoms caused by exposure

Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: May cause moderate irritation.
Symptoms/effects after eye contact	: Eye irritation.
Symptoms/effects after ingestion	: May cause irritation to the digestive tract.

#### 4.3. Medical attention and special treatment

Other medical advice or treatment	: Treat symptomatically.
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### SECTION 5: Fire-fighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream.

#### 5.2. Specific hazards arising from the chemical

Fire hazard	: No fire hazard.
Explosion hazard	: No direct explosion hazard.
General measures	: Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

#### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

# JET PRO ACTIVATOR SOLUTION

## Safety Data Sheet

according to the WHS Regulations

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters.  
Absorb spillage to prevent material damage.

##### 6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.  
Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

##### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".  
Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and materials for containment and cleaning up

For containment : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.  
Methods for cleaning up : Take up liquid spill into absorbent material.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.  
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep in a cool, well-ventilated place away from heat.  
Storage conditions : Keep cool. Protect from sunlight.  
Storage temperature : 10 – 35 °C  
Packaging materials : Always store product in container of same material as original container.

### SECTION 8: Exposure controls and personal protection

#### 8.1. Control parameters - exposure standards

No additional information available

#### 8.2. Monitoring methods

No additional information available

#### 8.3. Engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

#### 8.4. Individual protection measures, such as personal protective equipment (PPE)

Personal protective equipment : Wear recommended personal protective equipment.  
Hand protection : Protective gloves  
Eye protection : Safety glasses  
Skin and body protection : Wear suitable protective clothing  
Respiratory protection : Ensure there is sufficient ventilation of the area.

# JET PRO ACTIVATOR SOLUTION

## Safety Data Sheet

according to the WHS Regulations

### Personal protective equipment symbol(s)



Environmental exposure controls

: Avoid release to the environment.

## SECTION 9: Physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Colour	: Colourless
Odour	: characteristic
Odour threshold	: No data available
pH	: 10.3 – 11.3
pH solution	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point / Freezing point	: Melting point: Not applicable
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Flammability	: No data available
Vapour pressure	: No data available
Relative density	: No data available
Density	: Relative density: 1 – 1.01 1.000-1.010
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Explosive properties	: No data available
Explosive limits	: No data available
Minimum ignition energy	: No data available
Fat solubility	: No data available

## SECTION 10: Stability and reactivity

Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: None under recommended storage and handling conditions (see section 7).
Incompatible materials	: No additional information available
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

### 1-DECANAMINE,N,N-DIMETHYL-N-OXIDE (2605-79-0)

LD50 oral rat	300 – 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method), Guideline: EU Method B.1 tris (Acute Oral Toxicity - Acute Toxic Class Method)
LD50 oral	300 – 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal))

Skin corrosion/irritation	: Not classified pH: 10.3 – 11.3
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# JET PRO ACTIVATOR SOLUTION

## Safety Data Sheet

according to the WHS Regulations

Serious eye damage/irritation	: Causes serious eye irritation. pH: 10.3 – 11.3
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified

### SODIUM CHLORITE 100% (7758-19-2)

STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
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### 1-DECANAMINE,N,N-DIMETHYL-N-OXIDE (2605-79-0)

NOAEL (oral, rat, 90 days)	40 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other:
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Aspiration hazard	: Not classified
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## SECTION 12: Ecological information

According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory.

### 12.1. Ecotoxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

### SODIUM CHLORITE 100% (7758-19-2)

LC50 - Fish [1]	265 – 310 mg/l
EC50 - Other aquatic organisms [1]	0.29 mg/l

### 12.2. Persistence and degradability

#### JET PRO ACTIVATOR SOLUTION

Persistence and degradability	Biodegradability in water: no data available.
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### SODIUM CHLORITE 100% (7758-19-2)

Persistence and degradability	Biodegradability in water: no data available.
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### 1-DECANAMINE,N,N-DIMETHYL-N-OXIDE (2605-79-0)

Persistence and degradability	Rapidly degradable
Biodegradation	97 %

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Ozone	: Not classified
Other adverse effects	: No additional information available

# JET PRO ACTIVATOR SOLUTION

## Safety Data Sheet

according to the WHS Regulations

JET PRO ACTIVATOR SOLUTION	
Fluorinated greenhouse gases	False
SODIUM CHLORITE 100% (7758-19-2)	
Fluorinated greenhouse gases	False
1-DECANAMINE,N,N-DIMETHYL-N-OXIDE (2605-79-0)	
Fluorinated greenhouse gases	False

### SECTION 13: Disposal considerations

Regional waste regulation	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Disposal must be done according to official regulations.
Additional information	: Do not re-use empty containers.

### SECTION 14: Transport information

In accordance with ADG / IMDG / IATA

ADG	IMDG	IATA
14.1. UN number		
Not applicable	Not applicable	Not applicable
14.2. UN Proper Shipping Name		
Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)		
Not applicable	Not applicable	Not applicable
14.4. Packing group		
Not applicable	Not applicable	Not applicable
14.5. Environmental hazards		
Not applicable	Not applicable	Not applicable

#### 14.6. Special precautions for user

Specific storage requirement	: No data available
Shock sensitivity	: No data available

#### 14.7. Additional information

Other information	: No supplementary information available
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#### Transport by road and rail

Not applicable

#### Transport by sea

Not applicable

#### Air transport

Not applicable

#### 14.8. Hazchem or Emergency Action Code

Hazchem Code	: Not applicable
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# JET PRO ACTIVATOR SOLUTION

## Safety Data Sheet

according to the WHS Regulations

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations

##### Australian Industrial Chemicals Introduction Scheme (AICIS)

Australian Inventory of Industrial Chemicals (AICIS) : All the chemicals contained in this product are listed introductions Inventory) status

##### Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

No additional information available

##### Australian Pesticides and Veterinary Medicines Authority (APVMA)

No additional information available

#### 15.2. International agreements

No additional information available

### SECTION 16: Other information

#### Classification

Eye Irrit. 2A	H319
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#### Full text of H-statements

Acute Tox. 2 (Dermal)	Acute toxicity (dermal), Category 2
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Ox. Sol. 1	Oxidising Solids, Category 1
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
H271	May cause fire or explosion; strong oxidiser
H301	Toxic if swallowed
H302	Harmful if swallowed
H310	Fatal in contact with skin
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H319	Causes serious eye irritation
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

# JET PRO ACTIVATOR SOLUTION

## Safety Data Sheet

according to the WHS Regulations

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.



### SECTION 1: Product identifier

#### 1.1. GHS Product identifier

Product form : Mixture  
Product name : JET PRO BASE SOLUTION

#### 1.2. Other means of identification

No additional information available

#### 1.3. Recommended use of the chemical and restrictions on use

Restrictions on use : Uses other than the intended use of the product.

#### 1.4. Details of manufacturer or importer

##### Manufacturer

Tristel Solutions Limited  
Unit 1B Lynx Business Park  
Fordham Road, Newmarket  
Cambridgeshire  
CB8 7NY  
United Kingdom  
T +44 (0) 1638 721500  
[SDS@tristel.com](mailto:SDS@tristel.com)

##### Supplier

Tristel Pty Ltd  
Unit 44, 328 Reserve Road  
Cheltenham, VIC, 3192

T 1300 680 898 (within Australia)  
T +61 3 958 36181 (outside Australia)

#### 1.5. Emergency phone number

National Poison Line 13 11 26

### SECTION 2: Hazard identification

#### 2.1. Classification of the hazardous chemical

##### Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Serious eye damage/eye irritation, Category 2A H319

#### 2.2. GHS Label elements, including precautionary statements

Hazard pictograms (GHS AU) :



Exclamation  
mark

Signal word (GHS AU) :

Warning

Hazard statements (GHS AU) :

H319 - Causes serious eye irritation

Precautionary statements (GHS AU) :

P280 - Wear protective gloves/protective clothing/eye protection

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/attention.

#### 2.3. Other hazards which do not result in classification

No additional information available

# JET PRO BASE SOLUTION

## Safety Data Sheet

according to the WHS Regulations

### SECTION 3: Composition and information on ingredients

Name	CAS-No.	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
CITRIC ACID MONOHYDRATE	5949-29-1	≥ 5 – < 10	Eye Irrit. 2A, H319 STOT SE 3, H335
1-DECANAMINE,N,N-DIMETHYL-N-OXIDE	2605-79-0	<1	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 2, H411

### SECTION 4: First aid measures

#### 4.1. Description of necessary first-aid measures

First-aid measures general	: If you feel unwell, seek medical advice.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.
Self protection of the first-aider	: First aid workers will be equipped with suitable personal protective equipment.

#### 4.2. Symptoms caused by exposure

Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: May cause moderate irritation.
Symptoms/effects after eye contact	: Eye irritation.
Symptoms/effects after ingestion	: May cause irritation to the digestive tract.

#### 4.3. Medical attention and special treatment

Other medical advice or treatment	: Treat symptomatically.
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### SECTION 5: Fire-fighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream.

#### 5.2. Specific hazards arising from the chemical

Fire hazard	: No fire hazard.
Explosion hazard	: No direct explosion hazard.
General measures	: Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

#### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

# JET PRO BASE SOLUTION

## Safety Data Sheet

according to the WHS Regulations

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters.  
Absorb spillage to prevent material damage.

##### 6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.  
Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

##### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".  
Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and materials for containment and cleaning up

For containment : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.  
Methods for cleaning up : Take up liquid spill into absorbent material.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.  
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep in a cool, well-ventilated place away from heat.  
Storage conditions : Keep cool. Protect from sunlight.  
Storage temperature : 10 – 35 °C  
Packaging materials : Always store product in container of same material as original container.

### SECTION 8: Exposure controls and personal protection

#### 8.1. Control parameters - exposure standards

No additional information available

#### 8.2. Monitoring methods

No additional information available

#### 8.3. Engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

#### 8.4. Individual protection measures, such as personal protective equipment (PPE)

Personal protective equipment : Wear recommended personal protective equipment.  
Hand protection : Protective gloves  
Eye protection : Safety glasses  
Skin and body protection : Wear suitable protective clothing  
Respiratory protection : Ensure there is sufficient ventilation of the area.

# JET PRO BASE SOLUTION

## Safety Data Sheet

according to the WHS Regulations

### Personal protective equipment symbol(s)



Environmental exposure controls

: Avoid release to the environment.

## SECTION 9: Physical and chemical properties

Physical state	: Liquid
Appearance	: No data available
Colour	: Blue
Odour	: Characteristic odour
Odour threshold	: No data available
pH	: 1 – 3.5
pH solution	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point / Freezing point	: Melting point: Not applicable
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Flammability	: No data available
Vapour pressure	: No data available
Relative density	: No data available
Density	: Relative density: 1.02 – 1.03
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Explosive properties	: No data available
Explosive limits	: No data available
Minimum ignition energy	: No data available
Fat solubility	: No data available

## SECTION 10: Stability and reactivity

Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: None under recommended storage and handling conditions (see section 7).
Incompatible materials	: No additional information available
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

### CITRIC ACID MONOHYDRATE (5949-29-1)

LD50 oral rat	11700 mg/kg
LD50 dermal rat	> 2000 mg/kg

### 1-DECANAMINE,N,N-DIMETHYL-N-OXIDE (2605-79-0)

LD50 oral rat	300 – 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method), Guideline: EU Method B.1 tris (Acute Oral Toxicity - Acute Toxic Class Method)
LD50 oral	300 – 2000 mg/kg

# JET PRO BASE SOLUTION

## Safety Data Sheet

according to the WHS Regulations

### 1-DECANAMINE,N,N-DIMETHYL-N-OXIDE (2605-79-0)

LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal))
Skin corrosion/irritation	: Not classified pH: 1 – 3.5
Serious eye damage/irritation	: Causes serious eye irritation. pH: 1 – 3.5
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified

### CITRIC ACID MONOHYDRATE (5949-29-1)

STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Not classified

### 1-DECANAMINE,N,N-DIMETHYL-N-OXIDE (2605-79-0)

NOAEL (oral, rat, 90 days)	40 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other:
Aspiration hazard	: Not classified

### CITRIC ACID MONOHYDRATE (5949-29-1)

Viscosity, kinematic	Not applicable
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## SECTION 12: Ecological information

According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory.

### 12.1. Ecotoxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

### CITRIC ACID MONOHYDRATE (5949-29-1)

LC50 - Fish [1]	440 – 706 mg/l
LD50 dermal rat	> 2000 mg/kg
LD50 oral rat	11700 mg/kg

### 12.2. Persistence and degradability

#### JET PRO BASE SOLUTION

Persistence and degradability	Biodegradability in water: no data available.
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#### CITRIC ACID MONOHYDRATE (5949-29-1)

Persistence and degradability	Rapidly degradable
Biodegradation	97 %

#### 1-DECANAMINE,N,N-DIMETHYL-N-OXIDE (2605-79-0)

Persistence and degradability	Rapidly degradable
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# JET PRO BASE SOLUTION

## Safety Data Sheet

according to the WHS Regulations

### 1-DECANAMINE,N,N-DIMETHYL-N-OXIDE (2605-79-0)

Biodegradation	97 %
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### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Ozone	: Not classified
Other adverse effects	: No additional information available

### JET PRO BASE SOLUTION

Fluorinated greenhouse gases	False
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### CITRIC ACID MONOHYDRATE (5949-29-1)

Fluorinated greenhouse gases	False
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### 1-DECANAMINE,N,N-DIMETHYL-N-OXIDE (2605-79-0)

Fluorinated greenhouse gases	False
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## SECTION 13: Disposal considerations

Regional waste regulation	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Disposal must be done according to official regulations.
Additional information	: Do not re-use empty containers.

## SECTION 14: Transport information

In accordance with ADG / IMDG / IATA

ADG	IMDG	IATA
<b>14.1. UN number</b>		
Not applicable	Not applicable	Not applicable
<b>14.2. UN Proper Shipping Name</b>		
Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>		
Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>		
Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>		
Not applicable	Not applicable	Not applicable

### 14.6. Special precautions for user

Specific storage requirement	: No data available
Shock sensitivity	: No data available

### 14.7. Additional information

Other information	: No supplementary information available
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# JET PRO BASE SOLUTION

## Safety Data Sheet

according to the WHS Regulations

### Transport by road and rail

Not applicable

### Transport by sea

Not applicable

### Air transport

Not applicable

## 14.8. Hazchem or Emergency Action Code

Hazchem Code : Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations

#### Australian Industrial Chemicals Introduction Scheme (AICIS)

Australian Inventory of Industrial Chemicals (AICIS) : Contains substance(s) listed on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory) status Inventory)

#### Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

No additional information available

#### Australian Pesticides and Veterinary Medicines Authority (APVMA)

No additional information available

### 15.2. International agreements

No additional information available

## SECTION 16: Other information

### Classification

Eye Irrit. 2A	H319
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### Full text of H-statements

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
H302	Harmful if swallowed
H318	Causes serious eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H400	Very toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects

Safety Data Sheet (SDS), Australia

# JET PRO BASE SOLUTION

## Safety Data Sheet

according to the WHS Regulations

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.



### SECTION 1: Product identifier

#### 1.1. GHS Product identifier

Product form : Mixture  
Product name : JET PRO WORKING SOLUTION

#### 1.2. Other means of identification

No additional information available

#### 1.3. Recommended use of the chemical and restrictions on use

Restrictions on use : Uses other than the intended use of the product.

#### 1.4. Details of manufacturer or importer

##### Manufacturer

Tristel Solutions Limited  
Unit 1B Lynx Business Park  
Fordham Road, Newmarket  
Cambridgeshire  
CB8 7NY  
United Kingdom  
T +44 (0) 1638 721500  
[SDS@tristel.com](mailto:SDS@tristel.com)

##### Supplier

Tristel Pty Ltd  
Unit 44, 328 Reserve Road  
Cheltenham, VIC, 3192  
T 1300 680 898 (within Australia)  
T +61 3 958 36181 (outside Australia)

#### 1.5. Emergency phone number

National Poison Line 13 11 26

### SECTION 2: Hazard identification

#### 2.1. Classification of the hazardous chemical

##### Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Not classified

#### 2.2. GHS Label elements, including precautionary statements

No labelling applicable

#### 2.3. Other hazards which do not result in classification

No additional information available

### SECTION 3: Composition and information on ingredients

Name	CAS-No.	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
chlorine dioxide ... %	10049-04-4	<1	Acute Tox. 3 (Oral), H301 Skin Corr. 1B, H314 Aquatic Acute 1, H400

### SECTION 4: First aid measures

#### 4.1. Description of necessary first-aid measures

First-aid measures general : If you feel unwell, seek medical advice.  
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

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according to the WHS Regulations

First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.
Self protection of the first-aiders	: First aid workers will be equipped with suitable personal protective equipment.

### 4.2. Symptoms caused by exposure

Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: May cause moderate irritation.
Symptoms/effects after eye contact	: May cause eye irritation.
Symptoms/effects after ingestion	: May cause irritation to the digestive tract.

### 4.3. Medical attention and special treatment

Other medical advice or treatment	: Treat symptomatically.
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## SECTION 5: Fire-fighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream.

### 5.2. Specific hazards arising from the chemical

Fire hazard	: No fire hazard.
Explosion hazard	: No direct explosion hazard.
General measures	: Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.
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#### 6.1.1. For non-emergency personnel

Protective equipment	: Wear recommended personal protective equipment.
Emergency procedures	: Ventilate spillage area.

#### 6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Evacuate unnecessary personnel. Stop leak if safe to do so.

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and materials for containment and cleaning up

For containment	: Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.
Methods for cleaning up	: Take up liquid spill into absorbent material.

# JET PRO WORKING SOLUTION

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according to the WHS Regulations

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Additional hazards when processed	: Not expected to present a significant hazard under anticipated conditions of normal use.
Precautions for safe handling	: Ensure good ventilation of the work station. Avoid contact with skin and eyes.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Keep in a cool, well-ventilated place away from heat.
Storage conditions	: Keep cool. Protect from sunlight.
Packaging materials	: Always store product in container of same material as original container.

### SECTION 8: Exposure controls and personal protection

#### 8.1. Control parameters - exposure standards

##### chlorine dioxide ... % (10049-04-4)

##### Australia - Occupational Exposure Limits

Local name	Chlorine dioxide
OES TWA	0.28 mg/m <sup>3</sup>
	0.1 ppm
OES STEL	0.83 mg/m <sup>3</sup>
	0.3 ppm
Regulatory reference	Workplace exposure standards for airborne contaminants (2024)

#### 8.2. Monitoring methods

No additional information available

#### 8.3. Engineering controls

Appropriate engineering controls	: Ensure good ventilation of the work station.
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#### 8.4. Individual protection measures, such as personal protective equipment (PPE)

Personal protective equipment	: Wear recommended personal protective equipment.
Hand protection	: Avoid contact with skin.
Eye protection	: Avoid contact with eyes.
Respiratory protection	: Ensure there is sufficient ventilation of the area during use.
Environmental exposure controls	: Avoid release to the environment.

### SECTION 9: Physical and chemical properties

Physical state	: Liquid
Appearance	: No data available
Colour	: Colourless.
Odour	: characteristic
Odour threshold	: No data available
pH	: 3.5 – 5.5
pH solution	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point / Freezing point	: Melting point: Not applicable
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available

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Flammability	: No data available
Vapour pressure	: No data available
Relative density	: No data available
Density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Explosive properties	: No data available
Explosive limits	: No data available
Minimum ignition energy	: No data available
Fat solubility	: No data available

### SECTION 10: Stability and reactivity

Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: None under recommended storage and handling conditions (see section 7).
Incompatible materials	: No additional information available
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### SECTION 11: Toxicological information

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

#### chlorine dioxide ... % (10049-04-4)

LD50 oral rat	93.86 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Guideline: EU Method B.1 (Acute Toxicity (Oral)), Remarks on results: other:, 95% CL: 45,52 - 193,53
LC50 Inhalation - Rat (Vapours)	0.041 mg/l Source: ECHA

Skin corrosion/irritation	: Not classified pH: 3.5 – 5.5
Serious eye damage/irritation	: Not classified pH: 3.5 – 5.5
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

### SECTION 12: Ecological information

According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory.

#### 12.1. Ecotoxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

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chlorine dioxide ... % (10049-04-4)	
LC50 - Fish [1]	75 mg/l Test organisms (species): Cyprinodon variegatus
LC50 - Fish [2]	0.021 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	0.063 mg/l Test organisms (species): Daphnia magna
NOEC (chronic)	≥ 500 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	≥ 500 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) Duration: '36 d'
LD50 oral rat	93.86 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Guideline: EU Method B.1 (Acute Toxicity (Oral)), Remarks on results: other:, 95% CL: 45,52 - 193,53

### 12.2. Persistence and degradability

JET PRO WORKING SOLUTION	
Persistence and degradability	Biodegradability in water: no data available.
chlorine dioxide ... % (10049-04-4)	
Persistence and degradability	Not established.

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Ozone : Not classified  
Other adverse effects : No additional information available

JET PRO WORKING SOLUTION	
Fluorinated greenhouse gases	False
chlorine dioxide ... % (10049-04-4)	
Fluorinated greenhouse gases	False

## SECTION 13: Disposal considerations

Regional waste regulation : Disposal must be done according to official regulations.  
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Sewage disposal recommendations : Disposal must be done according to official regulations.  
Product/Packaging disposal recommendations : Disposal must be done according to official regulations.  
Additional information : Do not re-use empty containers.

## SECTION 14: Transport information

In accordance with ADG / IMDG / IATA

ADG	IMDG	IATA
14.1. UN number		
Not applicable	Not applicable	Not applicable
14.2. UN Proper Shipping Name		
Not applicable	Not applicable	Not applicable

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ADG	IMDG	IATA
<b>14.3. Transport hazard class(es)</b>		
Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>		
Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>		
Not applicable	Not applicable	Not applicable

### 14.6. Special precautions for user

Specific storage requirement : No data available  
Shock sensitivity : No data available

### 14.7. Additional information

Other information : No supplementary information available

#### Transport by road and rail

Not applicable

#### Transport by sea

Not applicable

#### Air transport

Not applicable

### 14.8. Hazchem or Emergency Action Code

Hazchem Code : Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations

#### Australian Industrial Chemicals Introduction Scheme (AICIS)

Australian Inventory of Industrial Chemicals (AICIS : All the chemicals contained in this product are listed introductions Inventory) status

#### Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

No additional information available

#### Australian Pesticides and Veterinary Medicines Authority (APVMA)

No additional information available

### 15.2. International agreements

No additional information available

## SECTION 16: Other information

Classification	
Not classified	

Full text of H-statements	
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1

# JET PRO WORKING SOLUTION

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according to the WHS Regulations

Full text of H-statements	
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
H301	Toxic if swallowed
H314	Causes severe skin burns and eye damage
H400	Very toxic to aquatic life

Safety Data Sheet (SDS), Australia

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