

**SECTION 1 Identification****1.1. GHS Product identifier**

Product form : Mixture  
Product name : TRISTEL OPH 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. Supplier's details****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)

**Distributor**

INNOVA Medical  
136 Sparks Avenue  
Toronto, Ontario M2H 2S4  
Canada  
T +4166150185

**1.5. Emergency phone number**

Emergency number : 1-844-764-7669

**SECTION 2 Hazard identification****2.1. Classification of the substance or mixture****Classification (GHS CA)**

Not classified

**2.2. GHS label elements, including precautionary statements****GHS CA labeling**

No labeling applicable

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

No additional information available

**SECTION 3 Composition/information on ingredients****3.1. Substances**

Not applicable

# TRISTEL OPH ACTIVATOR SOLUTION

## Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

### 3.2. Mixtures

| Name                              | Chemical name /<br>Synonyms     | Product identifier | %   | Classification (GHS CA)  |
|-----------------------------------|---------------------------------|--------------------|-----|--|
| 1-DECANAMINE,N,N-DIMETHYL-N-OXIDE | SURFACTANT<br>DECAMINE<br>OXIDE | CAS-No.: 2605-79-0 | < 1 | Acute Tox. 4 (Oral), H302<br>Eye Dam. 1, H318<br>Aquatic Acute 1, H400<br>Aquatic Chronic 2, H411  |
| SODIUM CHLORITE 100%              | -                               | CAS-No.: 7758-19-2 | < 1 | Ox. Sol. 1, H271<br>Acute Tox. 3 (Oral), H301<br>Acute Tox. 2 (Dermal), H310<br>Skin Corr. 1B, H314<br>Eye Dam. 1, H318<br>STOT RE 2, H373<br>Aquatic Acute 1, H400<br>Aquatic Chronic 3, H412 |

Full text of hazard classes and H-statements : see section 16

## SECTION 4 First-aid measures

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

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 eyes with water as a precaution.  
First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.  
First-aid measures general : If you feel unwell, seek medical advice.  
Personal protection for first-aid responders. : First aid workers will be equipped with suitable personal protective equipment.

### 4.2. Most important symptoms/effects, acute and delayed

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

### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment : Treat symptomatically.

## SECTION 5 Fire-fighting measures

### 5.1. Suitable extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

### 5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Special protective actions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

# TRISTEL OPH ACTIVATOR SOLUTION

## Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

### SECTION 6 Accidental release measures

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

Environmental precautions : Avoid release to the environment.

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

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized

For further information refer to section 13 site.

### 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.

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

Storage conditions : Store in a well-ventilated place. Keep cool.

Storage temperature : 15 – 25 °C (59 - 77°F)

Specific end uses : To be used with Tristel OPH Base solution. For professional use only.

### SECTION 8 Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Appropriate engineering controls

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

Environmental exposure controls : Avoid release to the environment.

#### 8.3. 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.

# TRISTEL OPH ACTIVATOR SOLUTION

## Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

### SECTION 9 Physical and chemical properties

#### 9.1. Basic physical and chemical properties

|   |                     |
|---|---------------------|
| Physical state                                  | : Liquid            |
| Color   | : Colorless         |
| Odor  | : odorless          |
| Odor threshold                                  | : No data available |
| pH  | : 10.3-11.3         |
| Relative evaporation rate (butyl acetate=1)     | : No data available |
| Relative evaporation rate (ether=1)             | : No data available |
| Melting point                                   | : Not applicable    |
| Freezing point                                  | : No data available |
| Boiling point                                   | : No data available |
| Flash point                                     | : No data available |
| Auto-ignition temperature                       | : No data available |
| Decomposition temperature                       | : No data available |
| Flammability (solid, gas)                       | : Not applicable    |
| Vapor pressure                                  | : No data available |
| Relative vapor density at 20°C                  | : No data available |
| Relative density                                | : 1.000-1.010       |
| Solubility                                      | : No data available |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Viscosity, kinematic                            | : No data available |
| Explosion limits                                | : No data available |
| Particle characteristics                        | : No data available |

#### 9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

### SECTION 10 Stability and reactivity

|                                    |   |
|------------------------------------|---|
| Reactivity                         | : No additional information available                                     |
| Chemical stability                 | : Stable under normal conditions.   |
| Possibility of hazardous reactions | : No additional information available                                     |
| Conditions to avoid                | : None under recommended storage and handling conditions (see section 7). |
| Incompatible materials             | : No additional information available                                     |
| Hazardous decomposition products   | : No additional information available                                     |
| Hardening time:                    | : No additional information available                                     |

### SECTION 11 Toxicological information

#### 11.1. Likely routes of exposure

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

| TRISTEL OPH ACTIVATOR SOLUTION   |                       |
|----------------------------------|-----------------------|
| LD50 oral rat                    | > 2000 mg/kg          |
| LC50 Inhalation - Rat            | > 5.61 mg/l           |
| SODIUM CHLORITE 100% (7758-19-2) |                       |
| ATE CA (oral)                    | 100 mg/kg body weight |

# TRISTEL OPH ACTIVATOR SOLUTION

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according to the Hazardous Products Regulation (WHMIS 2015)

| SODIUM CHLORITE 100% (7758-19-2)              |  |
|---|--|
| ATE CA (Dermal)                               | 50 mg/kg body weight   |
| 1-DECANAMINE,N,N-DIMETHYL-N-OXIDE (2605-79-0) |  |
| LD50 oral rat                                 | 300 – 2000 mg/kg body weight 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 body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal))  |
| ATE CA (oral)                                 | 500 mg/kg body weight  |
| Skin corrosion/irritation                     | : OECD 404 Slight erythema - Slight irritant<br>pH: 10.3-11.3  |
| Serious eye damage/irritation                 | : Not classified<br>pH: 10.3-11.3  |
| Respiratory or skin sensitization             | : Not a skin sensitizer – ISO 10993-10   |
| Germ cell mutagenicity                        | : Non-Mutagenic – OECD 471   |
| Carcinogenicity                               | : Not classified   |
| SODIUM CHLORITE 100% (7758-19-2)              |  |
| IARC group                                    | 3 - Not Classifiable   |
| 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.   |
| 1-DECANAMINE,N,N-DIMETHYL-N-OXIDE (2605-79-0) |  |
| NOAEL (oral,rat,90 days)                      | 40 mg/kg body weight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other:                                     |
| Aspiration hazard                             | : Not classified   |
| Symptoms/effects after inhalation             | : May cause respiratory irritation.  |
| Symptoms/effects after skin contact           | : May cause slight irritation.   |
| Symptoms/effects after eye contact            | : May cause slight irritation.   |
| Symptoms/effects after ingestion              | : May cause irritation to the digestive tract.   |

## SECTION 12 Ecological information

### 12.1. Toxicity

|   |  |
|---|--|
| Ecology - general   | : The product is not considered harmful to aquatic organisms or 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      |

# TRISTEL OPH ACTIVATOR SOLUTION

## Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

### 12.2. Persistence and degradability

#### TRISTEL OPH ACTIVATOR SOLUTION

|                               |   |
|-------------------------------|---|
| Persistence and degradability | Biodegradability in water: no data available. |
|-------------------------------|---|

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

|                               |   |
|-------------------------------|---|
| Persistence and degradability | Biodegradability in water: no data available. |
|-------------------------------|---|

#### 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

Fluorinated greenhouse gases : No

## 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 TDG / DOT / IMDG / IATA

### 14.1. UN Number

|               |                  |
|---------------|------------------|
| UN-No. (TDG)  | : Not applicable |
| UN-No. (DOT)  | : Not applicable |
| UN-No. (IMDG) | : Not applicable |
| UN-No. (IATA) | : Not applicable |

### 14.2. UN Proper Shipping Name

|                             |                  |
|-----------------------------|------------------|
| Proper Shipping Name (TDG)  | : Not applicable |
| Proper Shipping Name (DOT)  | : Not applicable |
| Proper Shipping Name (IMDG) | : Not applicable |
| Proper Shipping Name (IATA) | : Not applicable |

### 14.3. Transport hazard class(es)

#### TDG

Transport hazard class(es) (TDG) : Not applicable

#### DOT

Transport hazard class(es) (DOT) : Not applicable

# TRISTEL OPH ACTIVATOR SOLUTION

## Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

### IMDG

Transport hazard class(es) (IMDG) : Not applicable

### IATA

Transport hazard class(es) (IATA) : Not applicable

### 14.4. Packing group, if applicable

Packing group (TDG) : Not applicable  
Packing group (DOT) : Not applicable  
Packing group (IMDG) : Not applicable  
Packing group (IATA) : Not applicable

### 14.5. Environmental hazards

Other information : No supplementary information available.

### 14.6. Special precautions for user

#### TDG

Not applicable

#### DOT

Not applicable

#### IMDG

Not applicable

#### IATA

Not applicable

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78<sup>9</sup> and the IBC Code<sup>10</sup>

Not applicable

## SECTION 15 Regulatory information

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

Listed on the Canadian DSL (Domestic Substances List)

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

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active  
Listed on INSQ (Mexican National Inventory of Chemical Substances)

## SECTION 16 Other Information

Issue date : 04-14-2025  
Revision date : 07-17-2025  
Supersedes : 04-14-2025

### Full text of hazard classes and H-statements:

|      |  |
|------|--|
| H271 | May cause fire or explosion; strong oxidizer |
| H301 | Toxic if swallowed                           |

# TRISTEL OPH ACTIVATOR SOLUTION

## Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

### Full text of hazard classes and H-statements:

|      |  |
|------|--|
| H302 | Harmful if swallowed   |
| H310 | Fatal in contact with skin   |
| H314 | Causes severe skin burns and eye damage                            |
| H318 | Causes serious eye damage  |
| 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                  |

Safety Data Sheet (SDS), Canada

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 Identification****1.1. GHS Product identifier**

Product form : Mixture  
Product name : TRISTEL OPH 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. Supplier's details****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)

**Distributor**

INNOVA Medical  
136 Sparks Avenue  
Toronto, Ontario M2H 2S4  
Canada  
T +4166150185

**1.5. Emergency phone number**

Emergency number : 1-844-764-7669

**SECTION 2 Hazard identification****2.1. Classification of the substance or mixture****Classification (GHS CA)**

Not classified

**2.2. GHS label elements, including precautionary statements****GHS CA labeling**

No labeling applicable

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

No additional information available

**SECTION 3 Composition/information on ingredients****3.1. Substances**

Not applicable

# TRISTEL OPH BASE SOLUTION

## Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

### 3.2. Mixtures

| Name                              | Chemical name /<br>Synonyms                           | Product identifier | %      | Classification (GHS CA)   |
|-----------------------------------|---|--------------------|--------|---|
| CITRIC ACID MONOHYDRATE           | 2, HYDROXY-<br>1,2,3 PROPANE<br>TRICARBOXYLIC<br>ACID | CAS-No.: 5949-29-1 | 5 – 10 | Eye Irrit. 2, H319<br>STOT SE 3, H335   |
| 1-DECANAMINE,N,N-DIMETHYL-N-OXIDE | SURFACTANT<br>DECAMINE<br>OXIDE                       | CAS-No.: 2605-79-0 | < 1    | Acute Tox. 4 (Oral), H302<br>Eye Dam. 1, H318<br>Aquatic Acute 1, H400<br>Aquatic Chronic 2, H411 |

Full text of hazard classes and H-statements : see section 16

## SECTION 4 First-aid measures

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

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 eyes with water as a precaution.  
First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.  
First-aid measures general : If you feel unwell, seek medical advice.  
Personal protection for first-aid responders. : First aid workers will be equipped with suitable personal protective equipment.

### 4.2. Most important symptoms/effects, acute and delayed

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

### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment : Treat symptomatically.

## SECTION 5 Fire-fighting measures

### 5.1. Suitable extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

### 5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Special protective actions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

# TRISTEL OPH BASE SOLUTION

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according to the Hazardous Products Regulation (WHMIS 2015)

### SECTION 6 Accidental release measures

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

Environmental precautions : Avoid release to the environment.

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

Methods for cleaning up : Take up liquid spill into absorbent material.  
Other information : Dispose of materials or solid residues at an authorized site.  
For further information refer to section 13

### 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.  
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

Storage conditions : Store in a well-ventilated place. Keep cool.  
Storage temperature : 15 – 25 °C (59 - 77°F)  
Specific end uses : To be used with Tristel OPH Activator solution. For professional use only.

### SECTION 8 Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

#### 8.3. 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.

# TRISTEL OPH BASE SOLUTION

## Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

### SECTION 9 Physical and chemical properties

#### 9.1. Basic physical and chemical properties

|   |                     |
|---|---------------------|
| Physical state                                  | : Liquid            |
| Color   | : Blue.             |
| Odor  | : characteristic    |
| Odor threshold                                  | : No data available |
| pH  | : 2.0-3.0           |
| Relative evaporation rate (butyl acetate=1)     | : No data available |
| Relative evaporation rate (ether=1)             | : No data available |
| Melting point                                   | : Not applicable    |
| Freezing point                                  | : No data available |
| Boiling point                                   | : No data available |
| Flash point                                     | : No data available |
| Auto-ignition temperature                       | : No data available |
| Decomposition temperature                       | : No data available |
| Flammability (solid, gas)                       | : Not applicable    |
| Vapor pressure                                  | : No data available |
| Relative vapor density at 20°C                  | : No data available |
| Relative density                                | : 1.020-1.030       |
| Solubility                                      | : No data available |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Viscosity, kinematic                            | : No data available |
| Explosion limits                                | : No data available |
| Particle characteristics                        | : No data available |

#### 9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

### SECTION 10 Stability and reactivity

|                                    |  |
|------------------------------------|--|
| Reactivity                         | : The product is non-reactive under normal conditions of use, storage and transport.                   |
| 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. |
| Hardening time:                    | : No additional information available  |

### SECTION 11 Toxicological information

#### 11.1. Likely routes of exposure

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

| TRISTEL OPH BASE SOLUTION |              |
|---------------------------|--------------|
| LD50 oral rat             | > 5000 mg/kg |
| LC50 Inhalation - Rat     | > 5.24 mg/l  |

# TRISTEL OPH BASE SOLUTION

## Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

| 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 body weight 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 body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal))  |
| ATE CA (oral)                                 | 500 mg/kg body weight  |

|                                   |   |
|-----------------------------------|---|
| Skin corrosion/irritation         | : Primary Irritation Index (PII) = 0.3 - Slightly irritating<br>pH: 2.0-3.0   |
| Serious eye damage/irritation     | : The maximum average score of 22.0 was obtained 1 hour after treatment according to OCSPP 870.2400 and OECD 405 guidelines - Mildly irritating. pH:2-3 |
| Respiratory or skin sensitization | : Not a skin sensitizer – OCSPP 870.2600/OECD 429   |
| Germ cell mutagenicity            | : No data available to indicate product or any components present greater than 0.1% are mutagenetic or genotoxic  |
| 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 body weight 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                                 |
| Symptoms/effects after inhalation   | : May cause respiratory irritation.            |
| Symptoms/effects after skin contact | : May cause slight irritation.                 |
| Symptoms/effects after eye contact  | : May cause slight irritation.                 |
| Symptoms/effects after ingestion    | : May cause irritation to the digestive tract. |

## SECTION 12 Ecological information

### 12.1. Toxicity

|   |  |
|---|--|
| Ecology - general   | : The product is not considered harmful to aquatic organisms or 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 |

# TRISTEL OPH BASE SOLUTION

## Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

### 12.2. Persistence and degradability

#### TRISTEL OPH BASE SOLUTION

|                               |   |
|-------------------------------|---|
| Persistence and degradability | Biodegradability in water: no data available. |
|-------------------------------|---|

#### 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 |
|-------------------------------|--------------------|

|                |      |
|----------------|------|
| 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

Fluorinated greenhouse gases : No

## 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 TDG / DOT / IMDG / IATA

### 14.1. UN Number

|               |                  |
|---------------|------------------|
| UN-No. (TDG)  | : Not applicable |
| UN-No. (DOT)  | : Not applicable |
| UN-No. (IMDG) | : Not applicable |
| UN-No. (IATA) | : Not applicable |

### 14.2. UN Proper Shipping Name

|                             |                  |
|-----------------------------|------------------|
| Proper Shipping Name (TDG)  | : Not applicable |
| Proper Shipping Name (DOT)  | : Not applicable |
| Proper Shipping Name (IMDG) | : Not applicable |
| Proper Shipping Name (IATA) | : Not applicable |

### 14.3. Transport hazard class(es)

#### TDG

Transport hazard class(es) (TDG) : Not applicable

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## Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

### DOT

Transport hazard class(es) (DOT) : Not applicable

### IMDG

Transport hazard class(es) (IMDG) : Not applicable

### IATA

Transport hazard class(es) (IATA) : Not applicable

### 14.4. Packing group, if applicable

Packing group (TDG) : Not applicable

Packing group (DOT) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

### 14.5. Environmental hazards

Other information : No supplementary information available.

### 14.6. Special precautions for user

#### TDG

Not applicable

#### DOT

Not applicable

#### IMDG

Not applicable

#### IATA

Not applicable

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78<sup>9</sup> and the IBC Code<sup>10</sup>

Not applicable

## SECTION 15 Regulatory information

No additional information available

## SECTION 16 Other Information

Issue date : 04-14-2025

Revision date : 07-17-2025

Supersedes : 04-14-2025

### Full text of hazard classes and H-statements:

|      |   |
|------|---|
| 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), Canada

# TRISTEL OPH BASE SOLUTION

## Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

---

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 Identification****1.1. GHS Product identifier**

Product form : Mixture  
Product name : TRISTEL OPH WORKING SOLUTION

**1.2. Other means of identification**

No additional information available

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

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

**1.4. Supplier's details****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)

**Distributor**

INNOVA Medical  
136 Sparks Avenue  
Toronto, Ontario M2H 2S4  
Canada  
T +4166150185

**1.5. Emergency phone number**

Emergency number : 1-844-764-7669

**SECTION 2 Hazard identification****2.1. Classification of the substance or mixture****Classification (GHS CA)**

Not classified

**2.2. GHS label elements, including precautionary statements****GHS CA labeling**

No labeling applicable

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

No additional information available

**SECTION 3 Composition/information on ingredients****3.1. Substances**

Not applicable

# TRISTEL OPH WORKING SOLUTION

## Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

### 3.2. Mixtures

| Name                   | Chemical name / Synonyms | Product identifier  | %   | Classification (GHS CA)   |
|------------------------|--------------------------|---------------------|-----|---|
| chlorine dioxide ... % | chlorine dioxide ... %   | CAS-No.: 10049-04-4 | < 1 | Acute Tox. 3 (Oral), H301<br>Skin Corr. 1B, H314<br>Aquatic Acute 1, H400 |

## SECTION 4 First-aid measures

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

|   |  |
|---|--|
| 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          | : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| First-aid measures after ingestion            | : Rinse mouth. Get medical advice/attention if you feel unwell. Do NOT induce vomiting.  |
| First-aid measures general                    | : If you feel unwell, seek medical advice.   |
| Personal protection for first-aid responders. | : First aid workers will be equipped with suitable personal protective equipment.  |

### 4.2. Most important symptoms/effects, acute and delayed

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

### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

|                                   |                          |
|-----------------------------------|--------------------------|
| Other medical advice or treatment | : Treat symptomatically. |
|-----------------------------------|--------------------------|

## SECTION 5 Fire-fighting measures

### 5.1. Suitable extinguishing media

|                              |  |
|------------------------------|--|
| Suitable extinguishing media | : Water spray. Dry powder. Foam. Carbon dioxide. |
|------------------------------|--|

### 5.2. Specific hazards arising from the chemical

|  |                                |
|--|--------------------------------|
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |
|--|--------------------------------|

### 5.3. Special protective actions for fire-fighters

|                                |  |
|--------------------------------|--|
| 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

|                           |                                     |
|---------------------------|-------------------------------------|
| Environmental precautions | : Avoid release to the environment. |
|---------------------------|-------------------------------------|

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

|                         |   |
|-------------------------|---|
| Methods for cleaning up | : Take up liquid spill into absorbent material.                 |
| Other information       | : Dispose of materials or solid residues at an authorized site. |

# TRISTEL OPH WORKING SOLUTION

## Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

For further information refer to section 13

### SECTION 7 Handling and storage

#### 7.1. Precautions for safe handling

|                               |   |
|-------------------------------|---|
| Precautions for safe handling | : Ensure good ventilation of the work station. 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

|                    |   |
|--------------------|---|
| Storage conditions | : Store in a well-ventilated place. Keep cool.  |
| Specific end uses  | : Disinfectant Foam. For professional use only. |

### SECTION 8 Exposure controls/personal protection

#### 8.1. Control parameters

| TRISTEL OPH WORKING SOLUTION   |  |
|--|--|
| <b>Canada (Alberta) - Occupational Exposure Limits</b>                   |  |
| Local name   | Chlorine dioxide   |
| OEL TWA  | 0.3 mg/m <sup>3</sup>  |
|  | 0.1 ppm  |
| OEL STEL   | 0.8 mg/m <sup>3</sup>  |
|  | 0.3 ppm  |
| Regulatory reference   | Alberta Regulation 191/2021  |
| <b>Canada (Quebec) - Occupational Exposure Limits</b>                    |  |
| Local name   | Chlorine dioxide   |
| Plafond (OEL C)  | 0.1 ppm  |
| Regulatory reference   | S-2.1, r. 13 - Regulation respecting occupational health and safety        |
| <b>Canada (British Columbia) - Occupational Exposure Limits</b>          |  |
| Local name   | Chlorine dioxide   |
| OEL TWA  | 0.1 ppm  |
| OEL STEL   | 0.3 ppm  |
| Regulatory reference   | OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC) |
| <b>Canada (Manitoba) - Occupational Exposure Limits</b>                  |  |
| Local name   | Chlorine dioxide   |
| OEL C  | 0.28 mg/m <sup>3</sup>   |
|  | 0.1 ppm  |
| Notations and remarks  | TLV® Basis: Resp tract irr; pulm edema                                     |
| Regulatory reference   | ACGIH 2025   |
| <b>Canada (Newfoundland and Labrador) - Occupational Exposure Limits</b> |  |
| Local name   | Chlorine dioxide   |

# TRISTEL OPH WORKING SOLUTION

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according to the Hazardous Products Regulation (WHMIS 2015)

| TRISTEL OPH WORKING SOLUTION                                  |  |
|---|--|
| OEL C   | 0.28 mg/m³   |
|   | 0.1 ppm  |
| Notations and remarks   | TLV® Basis: Resp tract irr; pulm edema   |
| Regulatory reference  | ACGIH 2025   |
| Canada (Nova Scotia) - Occupational Exposure Limits           |  |
| Local name  | Chlorine dioxide   |
| OEL C   | 0.28 mg/m³   |
|   | 0.1 ppm  |
| Notations and remarks   | TLV® Basis: Resp tract irr; pulm edema   |
| Regulatory reference  | ACGIH 2025   |
| Canada (Nunavut) - Occupational Exposure Limits               |  |
| Local name  | Chlorine dioxide   |
| OEL TWA   | 0.1 ppm  |
| OEL STEL  | 0.3 ppm  |
| Regulatory reference  | Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021) |
| Canada (Northwest Territories) - Occupational Exposure Limits |  |
| Local name  | Chlorine dioxide   |
| OEL TWA   | 0.1 ppm  |
| OEL STEL  | 0.3 ppm  |
| Regulatory reference  | Occupation Health and Safety Regulations R-039-2015 (R-090-2024)                   |
| Canada (Ontario) - Occupational Exposure Limits               |  |
| Local name  | Chlorine dioxide   |
| OEL TWAEV   | 0.1 ppm  |
|   | 0.3 ppm  |
| Regulatory reference  | Ontario Occuational Exposure Limits under Regulation 833                           |
| Canada (Prince Edward Island) - Occupational Exposure Limits  |  |
| Local name  | Chlorine dioxide   |
| OEL C   | 0.28 mg/m³   |
|   | 0.1 ppm  |
| Notations and remarks   | TLV® Basis: Resp tract irr; pulm edema   |
| Regulatory reference  | ACGIH 2025   |
| Canada (Saskatchewan) - Occupational Exposure Limits          |  |
| Local name  | Chlorine dioxide   |
| OEL TWA   | 0.1 ppm  |
| OEL STEL  | 0.3 ppm  |
| Regulatory reference  | The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10        |

# TRISTEL OPH WORKING SOLUTION

## Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

| chlorine dioxide ... % (10049-04-4)                               |  |
|---|--|
| Canada (Alberta) - Occupational Exposure Limits                   |  |
| Local name  | Chlorine dioxide   |
| OEL TWA   | 0.3 mg/m <sup>3</sup>  |
|   | 0.1 ppm  |
| OEL STEL  | 0.8 mg/m <sup>3</sup>  |
|   | 0.3 ppm  |
| Regulatory reference  | Alberta Regulation 191/2021  |
| Canada (Quebec) - Occupational Exposure Limits                    |  |
| Local name  | Chlorine dioxide   |
| Plafond (OEL C)   | 0.1 ppm  |
| Regulatory reference  | S-2.1, r. 13 - Regulation respecting occupational health and safety                |
| Canada (British Columbia) - Occupational Exposure Limits          |  |
| Local name  | Chlorine dioxide   |
| OEL TWA   | 0.1 ppm  |
| OEL STEL  | 0.3 ppm  |
| Regulatory reference  | OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)         |
| Canada (Manitoba) - Occupational Exposure Limits                  |  |
| Local name  | Chlorine dioxide   |
| OEL C   | 0.1 ppm  |
| Notations and remarks   | TLV® Basis: Resp tract irr; pulm edema   |
| Regulatory reference  | ACGIH 2024   |
| Canada (Newfoundland and Labrador) - Occupational Exposure Limits |  |
| Local name  | Chlorine dioxide   |
| OEL C   | 0.1 ppm  |
| Notations and remarks   | TLV® Basis: Resp tract irr; pulm edema   |
| Regulatory reference  | ACGIH 2024   |
| Canada (Nova Scotia) - Occupational Exposure Limits               |  |
| Local name  | Chlorine dioxide   |
| OEL C   | 0.1 ppm  |
| Notations and remarks   | TLV® Basis: Resp tract irr; pulm edema   |
| Regulatory reference  | ACGIH 2024   |
| Canada (Nunavut) - Occupational Exposure Limits                   |  |
| Local name  | Chlorine dioxide   |
| OEL TWA   | 0.1 ppm  |
| OEL STEL  | 0.3 ppm  |
| Regulatory reference  | Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021) |

# TRISTEL OPH WORKING SOLUTION

## Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

| chlorine dioxide ... % (10049-04-4)                           |   |
|---|---|
| Canada (Northwest Territories) - Occupational Exposure Limits |   |
| Local name  | Chlorine dioxide  |
| OEL TWA   | 0.1 ppm   |
| OEL STEL  | 0.3 ppm   |
| Regulatory reference  | Occupation Health and Safety Regulations R-039-2015 (R-090-2024)            |
| Canada (Ontario) - Occupational Exposure Limits               |   |
| Local name  | Chlorine dioxide  |
| OEL TWAEV   | 0.1 ppm   |
|   | 0.3 ppm   |
| Regulatory reference  | Ontario Occupational Exposure Limits under Regulation 833                   |
| Canada (Prince Edward Island) - Occupational Exposure Limits  |   |
| Local name  | Chlorine dioxide  |
| OEL C   | 0.1 ppm   |
| Notations and remarks   | TLV® Basis: Resp tract irr; pulm edema                                      |
| Regulatory reference  | ACGIH 2024  |
| Canada (Saskatchewan) - Occupational Exposure Limits          |   |
| Local name  | Chlorine dioxide  |
| OEL TWA   | 0.1 ppm   |
| OEL STEL  | 0.3 ppm   |
| Regulatory reference  | The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10 |

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

### 8.3. 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

#### Respiratory protection:

Ensure there is sufficient ventilation of the area during use.

# TRISTEL OPH WORKING SOLUTION

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according to the Hazardous Products Regulation (WHMIS 2015)

Personal protective equipment symbol(s):



## SECTION 9 Physical and chemical properties

### 9.1. Basic physical and chemical properties

|   |                     |
|---|---------------------|
| Physical state                                  | : Liquid            |
| Color   | : yellow            |
| Odor  | : characteristic    |
| Odor threshold                                  | : No data available |
| pH  | : 2 – 3             |
| Relative evaporation rate (butyl acetate=1)     | : No data available |
| Relative evaporation rate (ether=1)             | : No data available |
| Melting point                                   | : Not applicable    |
| Freezing point                                  | : No data available |
| Boiling point                                   | : No data available |
| Flash point                                     | : No data available |
| Auto-ignition temperature                       | : No data available |
| Decomposition temperature                       | : No data available |
| Flammability (solid, gas)                       | : Not applicable    |
| Vapor pressure                                  | : No data available |
| Relative vapor density at 20°C                  | : No data available |
| Relative density                                | : No data available |
| Solubility                                      | : No data available |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Viscosity, kinematic                            | : No data available |
| Explosion limits                                | : No data available |
| Particle characteristics                        | : No data available |

### 9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

## SECTION 10 Stability and reactivity

|                                    |   |
|------------------------------------|---|
| Reactivity                         | : No additional information available                                     |
| Chemical stability                 | : No additional information available                                     |
| Possibility of hazardous reactions | : No additional information available                                     |
| Conditions to avoid                | : None under recommended storage and handling conditions (see section 7). |
| Incompatible materials             | : No additional information available                                     |
| Hazardous decomposition products   | : No additional information available                                     |
| Hardening time:                    | : No additional information available                                     |

## SECTION 11 Toxicological information

### 11.1. Likely routes of exposure

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

# TRISTEL OPH WORKING SOLUTION

## Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

| TRISTEL OPH WORKING SOLUTION        |  |
|-------------------------------------|--|
| LD50 oral rat                       | > 2000 mg/kg   |
| chlorine dioxide ... % (10049-04-4) |  |
| LD50 oral rat                       | 93.86 mg/kg body weight 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 (Vapors)      | 0.041 mg/l Source: ECHA  |
| Skin corrosion/irritation           | : OECD 404 Slight erythema - Slight irritant<br>pH: 2 – 3  |
| Serious eye damage/irritation       | : Not classified<br>pH: 2 – 3  |
| Respiratory or skin sensitization   | : Not a skin sensitizer - ISO 10993-10   |
| Germ cell mutagenicity              | : Non-Mutagenic - OECD 471   |
| Carcinogenicity                     | : Not classified   |
| Reproductive toxicity               | : Not classified   |
| STOT-single exposure                | : Not classified   |
| STOT-repeated exposure              | : Not classified   |
| Aspiration hazard                   | : Not classified   |
| Symptoms/effects after inhalation   | : May cause respiratory irritation.  |
| Symptoms/effects after skin contact | : May cause slight irritation.   |
| Symptoms/effects after eye contact  | : May cause slight irritation.   |
| Symptoms/effects after ingestion    | : May cause irritation to the digestive tract.   |

## SECTION 12 Ecological information

### 12.1. Toxicity

|   |  |
|---|--|
| Ecology - general   | : The product is not considered harmful to aquatic organisms or 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   |

| 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   |
| EC50 72h - Algae [1]                | 1096 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)  |
| EC50 72h - Algae [2]                | 0.324 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| NOEC chronic fish                   | ≥ 500 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) Duration: '36 d'                                       |
| NOEC (chronic)                      | ≥ 500 mg/l Test organisms (species): Daphnia magna Duration: '21 d'  |



# TRISTEL OPH WORKING SOLUTION

## Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

### 12.2. Persistence and degradability

#### TRISTEL OPH WORKING SOLUTION

|                               |   |
|-------------------------------|---|
| Persistence and degradability | Biodegradability in water: no data available. |
|-------------------------------|---|

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

|                               |   |
|-------------------------------|---|
| Persistence and degradability | Biodegradability in water: no data available. |
|-------------------------------|---|

### 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 |
| Fluorinated greenhouse gases | : No             |

## 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 TDG / DOT / IMDG / IATA

### 14.1. UN Number

|               |                  |
|---------------|------------------|
| UN-No. (TDG)  | : Not applicable |
| UN-No. (DOT)  | : Not applicable |
| UN-No. (IMDG) | : Not applicable |
| UN-No. (IATA) | : Not applicable |

### 14.2. UN Proper Shipping Name

|                             |                  |
|-----------------------------|------------------|
| Proper Shipping Name (TDG)  | : Not applicable |
| Proper Shipping Name (DOT)  | : Not applicable |
| Proper Shipping Name (IMDG) | : Not applicable |
| Proper Shipping Name (IATA) | : Not applicable |

### 14.3. Transport hazard class(es)

**TDG**

|                                  |                  |
|----------------------------------|------------------|
| Transport hazard class(es) (TDG) | : Not applicable |
|----------------------------------|------------------|

**DOT**

|                                  |                  |
|----------------------------------|------------------|
| Transport hazard class(es) (DOT) | : Not applicable |
|----------------------------------|------------------|

**IMDG**

|                                   |                  |
|-----------------------------------|------------------|
| Transport hazard class(es) (IMDG) | : Not applicable |
|-----------------------------------|------------------|

# TRISTEL OPH WORKING SOLUTION

## Safety Data Sheet

according to the Hazardous Products Regulation (WHMIS 2015)

### IATA

Transport hazard class(es) (IATA) : Not applicable

### 14.4. Packing group, if applicable

Packing group (TDG) : Not applicable  
Packing group (DOT) : Not applicable  
Packing group (IMDG) : Not applicable  
Packing group (IATA) : Not applicable

### 14.5. Environmental hazards

Other information : No supplementary information available.

### 14.6. Special precautions for user

#### TDG

Not applicable

#### DOT

Not applicable

#### IMDG

Not applicable

#### IATA

Not applicable

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78<sup>9</sup> and the IBC Code<sup>10</sup>

Not applicable

## SECTION 15 Regulatory information

No additional information available

## SECTION 16 Other Information

Issue date : 04-14-2025  
Revision date : 07-17-2025  
Supersedes : 04-14-2025

### Full text of hazard classes and H-statements:

|      |   |
|------|---|
| H301 | Toxic if swallowed                      |
| H314 | Causes severe skin burns and eye damage |
| H400 | Very toxic to aquatic life              |

Safety Data Sheet (SDS), Canada

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.