

Revision date 10-Mar-2022

Revision Number 4.01

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

**Product Code(s)** 354352

**Product Name** Corning® ITS+ Premix Universal Culture Supplement

**Pure substance/mixture** Mixture

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

For research use only. Not Intended for Diagnostic or Therapeutic Use.

**1.3. Details of the supplier of the safety data sheet**

|   |   |
|---|---|
| <b>Company Name</b><br>Corning Life Sciences<br>Discovery Labware<br>2 Oak Park<br>Bedford, MA 01730<br>USA<br>(978) 442-2200 | <b>Importer</b><br>Corning B.V.<br>Fogostraat 12<br>1060 LJ Amsterdam, The Netherlands<br>+31-(0)20-6557928 |
|---|---|

**E-mail address** ScientificSupportEMEA@Corning.com**1.4. Emergency telephone number**

Chemtrec: +1-800-424-9300 (USA), +1-703-527-3887 (International; Call collect)  
Chemtrec Customer Number: CCN5688\*

| Emergency Telephone - §45 - (EC)1272/2008 |                       |
|---|-----------------------|
| <b>Europe</b>                             | <b>112</b>            |
| <b>Austria</b>                            | +43 1 406 43 43       |
| <b>Belgium</b>                            | +359 2 9154 233       |
| <b>Denmark</b>                            | +45 8212 1212         |
| <b>Finland</b>                            | 0800 147 111          |
| <b>France</b>                             | + 33 (0)1 45 42 59 59 |
| <b>Germany</b>                            | 06131-19240           |
| <b>Ireland</b>                            | 353 (1) 809 2166      |
| <b>Italy</b>                              | 800-883300            |
| <b>Netherlands</b>                        | +31(0)30 274 8888     |
| <b>Norway</b>                             | 22 59 13 00           |
| <b>Poland</b>                             | (12) 411 99 99        |
| <b>Portugal</b>                           | +351 800 250 250      |
| <b>Spain</b>                              | 34 91 562 04 20       |
| <b>Sweden</b>                             | 112                   |
| <b>Switzerland</b>                        | 145                   |
| <b>United Kingdom</b>                     | 08454 24 24 24        |

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture**

Regulation (EC) No 1272/2008

**Carcinogenicity**

Category 1A - (H350)

**2.2. Label elements**

Contains Ethyl alcohol

**Signal word**  
Danger**Hazard statements**

H350 - May cause cancer

**Precautionary Statements - EU (§28, 1272/2008)**

P202 - Do not handle until all safety precautions have been read and understood

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P308 + P313 - IF exposed or concerned: Get medical advice/attention

P501 - Dispose of contents/ container to an approved waste disposal plant

**2.3. Other hazards**

No information available.

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

Not applicable

**3.2 Mixtures**

The product contains no substances which at their given concentration, are considered to be hazardous to health

| Chemical name   | EC No     | CAS No     | Weight-% | Classification according to Regulation (EC) No. 1272/2008 [CLP]   | REACH registration number |
|-----------------|-----------|------------|----------|---|---------------------------|
| Ethyl alcohol   | 200-578-6 | 64-17-5    | 0.1-1    | Flam. Liq. 2 (H225)   | No data available         |
| Sodium selenite | 233-267-9 | 10102-18-8 | <0.001   | Acute Tox. 2 (H300)<br>Acute Tox. 3 (H331)<br>Skin Sens. 1 (H317)<br>(EUH031)<br>Aquatic Chronic 2 (H411) | No data available         |

**Full text of H- and EUH-phrases: see section 16**This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Remove to fresh air.   |
| <b>Eye contact</b>  | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. |
| <b>Skin contact</b> | Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.                 |
| <b>Ingestion</b>    | Rinse mouth.   |

**4.2. Most important symptoms and effects, both acute and delayed**

|                 |                           |
|-----------------|---------------------------|
| <b>Symptoms</b> | No information available. |
|-----------------|---------------------------|

**4.3. Indication of any immediate medical attention and special treatment needed**

|                           |                        |
|---------------------------|------------------------|
| <b>Note to physicians</b> | Treat symptomatically. |
|---------------------------|------------------------|

|   |
|---|
| <b>SECTION 5: Firefighting measures</b> |
|---|

**5.1. Extinguishing media**

|                                       |   |
|---------------------------------------|---|
| <b>Suitable Extinguishing Media</b>   | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| <b>Large Fire</b>                     | CAUTION: Use of water spray when fighting fire may be inefficient.                                      |
| <b>Unsuitable extinguishing media</b> | Do not scatter spilled material with high pressure water streams.                                       |

**5.2. Special hazards arising from the substance or mixture**

|   |                           |
|---|---------------------------|
| <b>Specific hazards arising from the chemical</b> | No information available. |
|---|---------------------------|

**5.3. Advice for firefighters**

|   |  |
|---|--|
| <b>Special protective equipment and precautions for fire-fighters</b> | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. |
|---|--|

|   |
|---|
| <b>SECTION 6: Accidental release measures</b> |
|---|

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

|                                 |   |
|---------------------------------|---|
| <b>Personal precautions</b>     | Ensure adequate ventilation.                      |
| <b>For emergency responders</b> | Use personal protection recommended in Section 8. |

**6.2. Environmental precautions**

|                                  |   |
|----------------------------------|---|
| <b>Environmental precautions</b> | See Section 12 for additional Ecological Information. |
|----------------------------------|---|

**6.3. Methods and material for containment and cleaning up**

|                                |   |
|--------------------------------|---|
| <b>Methods for containment</b> | Prevent further leakage or spillage if safe to do so. |
|--------------------------------|---|

|  |  |
|--|--|
| <b>Methods for cleaning up</b>         | Take up mechanically, placing in appropriate containers for disposal.                |
| <b>Prevention of secondary hazards</b> | Clean contaminated objects and areas thoroughly observing environmental regulations. |

**6.4. Reference to other sections**

**Reference to other sections** See section 8 for more information. See section 13 for more information.

## SECTION 7: Handling and storage

**7.1. Precautions for safe handling**

|                                       |  |
|---------------------------------------|--|
| <b>Advice on safe handling</b>        | Ensure adequate ventilation.   |
| <b>General hygiene considerations</b> | Handle in accordance with good industrial hygiene and safety practice. |

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

**Storage Conditions** Keep container tightly closed in a dry and well-ventilated place.

**7.3. Specific end use(s)**

**Risk Management Methods (RMM)** This information is supplied in the present Safety Data Sheet.

## SECTION 8: Exposure controls/personal protection

**8.1. Control parameters**

**Exposure Limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

| Chemical name                 | European Union   | Austria  | Belgium   | Bulgaria  | Croatia  |
|-------------------------------|--|--|---|---|--|
| Ethyl alcohol<br>64-17-5      | -  | TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup><br>STEL 2000 ppm<br>STEL 3800 mg/m <sup>3</sup> | TWA: 1000 ppm<br>TWA: 1907 mg/m <sup>3</sup>  | TWA: 1000 mg/m <sup>3</sup>   | TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup>   |
| Sodium selenite<br>10102-18-8 | -  | TWA: 0.1 mg/m <sup>3</sup><br>STEL 0.3 mg/m <sup>3</sup>                                     | TWA: 0.2 mg/m <sup>3</sup>  | TWA: 0.2 mg/m <sup>3</sup>  | TWA: 0.1 mg/m <sup>3</sup>   |
| Chemical name                 | Cyprus   | Czech Republic   | Denmark   | Estonia   | Finland  |
| Ethyl alcohol<br>64-17-5      | -  | TWA: 1000 mg/m <sup>3</sup><br>Ceiling: 3000 mg/m <sup>3</sup>                               | TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup>  | TWA: 500 ppm<br>TWA: 1000 mg/m <sup>3</sup><br>STEL: 1000 ppm<br>STEL: 1900 mg/m <sup>3</sup> | TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup><br>STEL: 1300 ppm<br>STEL: 2500 mg/m <sup>3</sup> |
| Sodium selenite<br>10102-18-8 | -  | TWA: 0.1 mg/m <sup>3</sup><br>Ceiling: 0.2 mg/m <sup>3</sup>                                 | TWA: 0.1 mg/m <sup>3</sup>  | TWA: 0.1 mg/m <sup>3</sup>  | TWA: 0.1 mg/m <sup>3</sup><br>STEL: 0.3 mg/m <sup>3</sup>                                      |
| Chemical name                 | France   | Germany  | Germany MAK   | Greece  | Hungary  |
| Ethyl alcohol<br>64-17-5      | TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup><br>STEL: 5000 ppm<br>STEL: 9500 mg/m <sup>3</sup> | TWA: 200 ppm<br>TWA: 380 mg/m <sup>3</sup>   | TWA: 200 ppm<br>TWA: 380 mg/m <sup>3</sup><br>Peak: 800 ppm<br>Peak: 1520 mg/m <sup>3</sup> | TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup>  | TWA: 1900 mg/m <sup>3</sup><br>STEL: 3800 mg/m <sup>3</sup>                                    |
| Sodium selenite<br>10102-18-8 | -  | TWA: 0.05 mg/m <sup>3</sup>  | TWA: 0.02 mg/m <sup>3</sup><br>Peak: 0.16 mg/m <sup>3</sup><br>*                            | TWA: 0.2 mg/m <sup>3</sup>  | TWA: 0.1 mg/m <sup>3</sup><br>STEL: 0.2 mg/m <sup>3</sup>                                      |
| Chemical name                 | Ireland  | Italy  | Italy REL   | Latvia  | Lithuania  |
| Ethyl alcohol<br>64-17-5      | STEL: 1000 ppm   | -  | STEL: 1000 ppm<br>STEL: 1884 mg/m <sup>3</sup>  | TWA: 1000 mg/m <sup>3</sup>   | TWA: 500 ppm<br>TWA: 1000 mg/m <sup>3</sup><br>STEL: 1000 ppm                                  |

|                               |   |  |  |  |  |
|-------------------------------|---|--|--|--|--|
|                               |   |  |  |  | STEL: 1900 mg/m <sup>3</sup><br>TWA: 0.1 mg/m <sup>3</sup>                                     |
| Sodium selenite<br>10102-18-8 | TWA: 0.1 mg/m <sup>3</sup><br>STEL: 0.3 mg/m <sup>3</sup>   | -  | TWA: 0.2 mg/m <sup>3</sup>   | -  |  |
| Chemical name                 | Luxembourg  | Malta  | Netherlands  | Norway   | Poland   |
| Ethyl alcohol<br>64-17-5      | -   | -  | TWA: 260 mg/m <sup>3</sup><br>STEL: 1900 mg/m <sup>3</sup><br>H*                             | TWA: 500 ppm<br>TWA: 950 mg/m <sup>3</sup><br>STEL: 625 ppm<br>STEL: 1187.5<br>mg/m <sup>3</sup> | TWA: 1900 mg/m <sup>3</sup>  |
| Sodium selenite<br>10102-18-8 | -   | -  | -  | TWA: 0.05 mg/m <sup>3</sup><br>A+<br>STEL: 0.15 mg/m <sup>3</sup>                                | STEL: 0.3 mg/m <sup>3</sup><br>TWA: 0.1 mg/m <sup>3</sup>                                      |
| Chemical name                 | Portugal  | Romania  | Slovakia   | Slovenia   | Spain  |
| Ethyl alcohol<br>64-17-5      | TWA: 1000 ppm   | TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup><br>STEL: 5000 ppm<br>STEL: 9500 mg/m <sup>3</sup> | TWA: 500 ppm<br>TWA: 960 mg/m <sup>3</sup><br>Ceiling: 1920 mg/m <sup>3</sup>                | TWA: 960 mg/m <sup>3</sup><br>TWA: 500 ppm<br>STEL: 1000 ppm<br>STEL: 1920 mg/m <sup>3</sup>     | STEL: 1000 ppm<br>STEL: 1910 mg/m <sup>3</sup>   |
| Sodium selenite<br>10102-18-8 | TWA: 0.2 mg/m <sup>3</sup>  | TWA: 0.1 mg/m <sup>3</sup><br>STEL: 0.2 mg/m <sup>3</sup>                                      | TWA: 0.05 mg/m <sup>3</sup>  | TWA: 0.05 mg/m <sup>3</sup><br>STEL: 0.05 mg/m <sup>3</sup>                                      | TWA: 0.1 mg/m <sup>3</sup>   |
| Chemical name                 | Sweden  |  | Switzerland  |  | United Kingdom   |
| Ethyl alcohol<br>64-17-5      | NGV: 500 ppm<br>NGV: 1000 mg/m <sup>3</sup><br>Vägledande KGV: 1000 ppm<br>Vägledande KGV: 1900 mg/m <sup>3</sup> |  | TWA: 500 ppm<br>TWA: 960 mg/m <sup>3</sup><br>STEL: 1000 ppm<br>STEL: 1920 mg/m <sup>3</sup> |  | TWA: 1000 ppm<br>TWA: 1920 mg/m <sup>3</sup><br>STEL: 3000 ppm<br>STEL: 5760 mg/m <sup>3</sup> |
| Sodium selenite<br>10102-18-8 | NGV: 0.1 mg/m <sup>3</sup>  |  | TWA: 0.02 mg/m <sup>3</sup><br>STEL: 0.16 mg/m <sup>3</sup><br>H*                            |  | TWA: 0.1 mg/m <sup>3</sup>   |

**Biological occupational exposure limits**

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies

|                               |         |         |        |   |  |
|-------------------------------|---------|---------|--------|---|--|
| Chemical name                 | Denmark | Finland | France | Germany   | Germany  |
| Sodium selenite<br>10102-18-8 | -       | -       | -      | 150 µg/L (serum -<br>Selenium no<br>restriction)<br>150 µg/L - BAT (not<br>fixed) serum<br>100 µg/L - BAR (not<br>fixed) plasma/serum<br>20 µg/g Creatinine -<br>BAR (for long-term<br>exposures: at the<br>end of the shift after<br>several shifts) urine | 150 µg/L (serum -<br>Selenium no<br>restriction) |

**Derived No Effect Level (DNEL)** No information available.

**Predicted No Effect Concentration (PNEC)** No information available.

**8.2. Exposure controls****Personal protective equipment**

**Eye/face protection** No special protective equipment required.

**Skin and body protection** No special protective equipment required.

|  |  |
|--|--|
| <b>Respiratory protection</b>          | No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. |
| <b>General hygiene considerations</b>  | Handle in accordance with good industrial hygiene and safety practice.   |
| <b>Environmental exposure controls</b> | No information available.  |

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                       |                           |
|-----------------------|---------------------------|
| <b>Physical state</b> | Liquid                    |
| <b>Appearance</b>     | No information available  |
| <b>Color</b>          | light yellow              |
| <b>Odor</b>           | No information available. |
| <b>Odor threshold</b> | No information available  |

| <u>Property</u>                                | <u>Values</u>                      | <u>Remarks • Method</u> |
|--|------------------------------------|-------------------------|
| <b>pH</b>                                      | No data available                  | None known              |
| <b>pH (as aqueous solution)</b>                | No data available                  | None known              |
| <b>Melting point / freezing point</b>          | No data available                  | None known              |
| <b>Initial boiling point and boiling range</b> | No data available                  | None known              |
| <b>Flash point</b>                             | No data available                  | None known              |
| <b>Evaporation rate</b>                        | No data available                  | None known              |
| <b>Flammability</b>                            | No data available                  | None known              |
| <b>Flammability Limit in Air</b>               | No data available                  | None known              |
| <b>Upper flammability limit:</b>               | No data available                  |                         |
| <b>Lower flammability limit</b>                | No data available                  |                         |
| <b>Vapor pressure</b>                          | No data available                  | None known              |
| <b>Relative vapor density</b>                  | No data available                  | None known              |
| <b>Relative density</b>                        | No data available                  | None known              |
| <b>Water solubility</b>                        | No data available Soluble in water | None known              |
| <b>Solubility(ies)</b>                         | No data available                  | None known              |
| <b>Partition coefficient</b>                   | No data available                  | None known              |
| <b>Autoignition temperature</b>                | No data available                  | None known              |
| <b>Decomposition temperature</b>               | No data available                  | None known              |
| <b>Kinematic viscosity</b>                     | No data available                  | None known              |
| <b>Dynamic viscosity</b>                       | No data available                  | None known              |
| <b>Explosive properties</b>                    | No information available           |                         |
| <b>Oxidizing properties</b>                    | No information available           |                         |

### 9.2. Other information

|                         |                          |
|-------------------------|--------------------------|
| <b>Softening point</b>  | No information available |
| <b>Molecular weight</b> | No information available |
| <b>VOC Content (%)</b>  | No information available |
| <b>Liquid Density</b>   | No information available |
| <b>Bulk density</b>     | No information available |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

|                   |                           |
|-------------------|---------------------------|
| <b>Reactivity</b> | No information available. |
|-------------------|---------------------------|

### 10.2. Chemical stability

|                  |                                 |
|------------------|---------------------------------|
| <b>Stability</b> | Stable under normal conditions. |
|------------------|---------------------------------|

**Explosion data**

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

**10.3. Possibility of hazardous reactions**

Possibility of hazardous reactions None under normal processing.

**10.4. Conditions to avoid**

Conditions to avoid None known based on information supplied.

**10.5. Incompatible materials**

Incompatible materials None known based on information supplied.

**10.6. Hazardous decomposition products**

Hazardous Decomposition Products No information available.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Information on likely routes of exposure****Product Information**

Inhalation Specific test data for the substance or mixture is not available.

Eye contact Specific test data for the substance or mixture is not available.

Skin contact Specific test data for the substance or mixture is not available.

Ingestion Specific test data for the substance or mixture is not available.

**Symptoms related to the physical, chemical and toxicological characteristics**

Symptoms No information available.

**Numerical measures of toxicity****Acute toxicity**

12.6659375 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.

12.6659375 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.

12.6659375 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).

12.6659375 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).

12.6659375 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

| Chemical name   | Oral LD50            | Dermal LD50 | Inhalation LC50                                      |
|-----------------|----------------------|-------------|--|
| Ethyl alcohol   | = 7060 mg/kg ( Rat ) |             | = 116.9 mg/L ( Rat ) 4 h<br>= 133.8 mg/L ( Rat ) 4 h |
| Sodium selenite | = 7 mg/kg ( Rat )    |             |  |

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

|  |                           |
|--|---------------------------|
| <b>Skin corrosion/irritation</b>         | No information available. |
| <b>Serious eye damage/eye irritation</b> | No information available. |
| <b>Respiratory or skin sensitization</b> | No information available. |
| <b>Germ cell mutagenicity</b>            | No information available. |
| <b>Carcinogenicity</b>                   | No information available. |
| <b>Reproductive toxicity</b>             | No information available. |
| <b>STOT - single exposure</b>            | No information available. |
| <b>STOT - repeated exposure</b>          | No information available. |
| <b>Aspiration hazard</b>                 | No information available. |

**SECTION 12: Ecological information****12.1. Toxicity****Ecotoxicity**

**Unknown aquatic toxicity** Contains 0.16594 % of components with unknown hazards to the aquatic environment.

| Chemical name | Algae/aquatic plants | Fish  | Toxicity to microorganisms | Crustacea  |
|---------------|----------------------|---|----------------------------|--|
| Ethyl alcohol | -                    | LC50: 12.0 - 16.0mL/L (96h, Oncorhynchus mykiss)<br>LC50: 13400 - 15100mg/L (96h, Pimephales promelas)<br>LC50: >100mg/L (96h, Pimephales promelas) | -                          | LC50: 9268 - 14221mg/L (48h, Daphnia magna)<br>EC50: =2mg/L (48h, Daphnia magna) |

**12.2. Persistence and degradability**

**Persistence and degradability** No information available.

**12.3. Bioaccumulative potential**

**Bioaccumulation** There is no data for this product.

| Chemical name | Partition coefficient |
|---------------|-----------------------|
| Ethyl alcohol | -0.32                 |

**12.4. Mobility in soil**

**Mobility in soil** No information available.



**12.5. Results of PBT and vPvB assessment**

**PBT and vPvB assessment** No information available.

| Chemical name   | PBT and vPvB assessment                                       |
|-----------------|---|
| Ethyl alcohol   | The substance is not PBT / vPvB PBT assessment does not apply |
| Sodium selenite | PBT assessment does not apply                                 |

**12.6. Other adverse effects**

**Other adverse effects** No information available.

## SECTION 13: Disposal considerations

**13.1. Waste treatment methods**

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

## SECTION 14: Transport information

**IMDG** Not regulated

**RID** Not regulated

**ADR** Not regulated

**IATA** Not regulated

## SECTION 15: Regulatory information

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

| Chemical name                 | French RG number | Title |
|-------------------------------|------------------|-------|
| Ethyl alcohol<br>64-17-5      | RG 84            | -     |
| Sodium selenite<br>10102-18-8 | RG 75            | -     |

**European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

**Authorizations and/or restrictions on use:**

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

| Chemical name                | Restricted substance per REACH Annex XVII | Substance subject to authorization per REACH Annex XIV |
|------------------------------|---|--|
| Sodium selenite - 10102-18-8 | 75.                                       |  |

**Persistent Organic Pollutants**

Not applicable

**Ozone-depleting substances (ODS) regulation (EC) 1005/2009** Not applicable**International Inventories**

|                      |  |
|----------------------|--|
| <b>TSCA</b>          | Contact supplier for inventory compliance status |
| <b>DSL/NDL</b>       | Contact supplier for inventory compliance status |
| <b>EINECS/ELINCS</b> | Contact supplier for inventory compliance status |
| <b>ENCS</b>          | Contact supplier for inventory compliance status |
| <b>IECSC</b>         | Contact supplier for inventory compliance status |
| <b>KECL</b>          | Contact supplier for inventory compliance status |
| <b>PICCS</b>         | Contact supplier for inventory compliance status |
| <b>AICS</b>          | Contact supplier for inventory compliance status |

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

**15.2. Chemical safety assessment****Chemical Safety Report** No information available**SECTION 16: Other information****Key or legend to abbreviations and acronyms used in the safety data sheet****Full text of H-Statements referred to under section 3**

EUH031 - Contact with acids liberates toxic gas  
H225 - Highly flammable liquid and vapor  
H300 - Fatal if swallowed  
H317 - May cause an allergic skin reaction  
H331 - Toxic if inhaled  
H411 - Toxic to aquatic life with long lasting effects

SVHC: Substances of Very High Concern for Authorization:

**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

|         |                             |      |                                  |
|---------|-----------------------------|------|----------------------------------|
| TWA     | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value         | *    | Skin designation                 |

| Classification procedure  |                    |
|---|--------------------|
| Classification according to Regulation (EC) No. 1272/2008 [CLP] | Method Used        |
| Acute oral toxicity   | Calculation method |
| Acute dermal toxicity   | Calculation method |
| Acute inhalation toxicity - gas                                 | Calculation method |
| Acute inhalation toxicity - vapor                               | Calculation method |
| Acute inhalation toxicity - dust/mist                           | Calculation method |
| Skin corrosion/irritation                                       | Calculation method |
| Serious eye damage/eye irritation                               | Calculation method |
| Respiratory sensitization                                       | Calculation method |

|                          |                    |
|--------------------------|--------------------|
| Skin sensitization       | Calculation method |
| Mutagenicity             | Calculation method |
| Carcinogenicity          | Calculation method |
| Reproductive toxicity    | Calculation method |
| STOT - single exposure   | Calculation method |
| STOT - repeated exposure | Calculation method |
| Acute aquatic toxicity   | Calculation method |
| Chronic aquatic toxicity | Calculation method |
| Aspiration hazard        | Calculation method |
| Ozone                    | Calculation method |

**Key literature references and sources for data used to compile the SDS**

Agency for Toxic Substances and Disease Registry (ATSDR)  
 U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 EPA (Environmental Protection Agency)  
 Acute Exposure Guideline Level(s) (AEGl(s))  
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
 U.S. Environmental Protection Agency High Production Volume Chemicals  
 Food Research Journal  
 Hazardous Substance Database  
 International Uniform Chemical Information Database (IUCLID)  
 Japan GHS Classification  
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
 NIOSH (National Institute for Occupational Safety and Health)  
 National Library of Medicine's ChemID Plus (NLM CIP)  
 National Library of Medicine's PubMed database (NLM PUBMED)  
 National Toxicology Program (NTP)  
 New Zealand's Chemical Classification and Information Database (CCID)  
 Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
 Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
 Organization for Economic Co-operation and Development Screening Information Data Set  
 World Health Organization

Revision date 10-Mar-2022

**This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

**Disclaimer**

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**End of Safety Data Sheet**

Europe

Full process, including GHS and Transportation Wizards

**EU SDS version information - EGHS**

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