

Safety Data Sheet

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Last Revision Date 24-Nov-2021

Version: 1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

| | |
|---------------------------------|----------------------------------|
| Product Name | Sierraform GT NK 19-0-19+2MgO+TE |
| Product Code | 4258-120HA |
| Unique Formula Identifier (UFI) | FKSC-Q0DA-U00X-93VP |
| Pure substance/mixture | Mixture |

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

| | |
|----------------------|--|
| Recommended Use | Fertilizer (PC12). Restricted to professional users. |
| Uses Advised Against | Consumer use (SU21) |

Reason why uses advised against Use advised against in Chemical Safety Assessment per REACH Annex I point 7 2.3

1.3. Details of the supplier of the safety data sheet

Everris International B.V. Nijverheidsweg 1-5; 6422 PD Heerlen (NL); Tel: +31 (0)45-5609100; Fax: +31 (0)45-5609190

For further information, please contact: INFO-MSDS@EVERRIS.COM
Non-Emergency Telephone Number +31 (0) 418655700

1.4. Emergency telephone number

IN CASE OF AN EMERGENCY CALL: +44 1235 239 670 (24/7)

| | |
|----------------|--------------------------------|
| Europe | 112 |
| Austria | +43 1 406 43 43 |
| Belgium | 070 245 245 |
| Denmark | +45 8212 1212 |
| Finland | 0800 147 111 |
| France | + 33 (0)1 45 42 59 |
| Ireland | 01 809 2566 |
| Netherlands | +31 88 75 585 61 |
| Norway | +45 735 80500 |
| Poland | +48 42 2538 400 |
| Portugal | +351 800 250 250 |
| Spain | +34 91 562 04 20 |
| Sweden | 112 |
| Switzerland | Tox Info Switzerland 145 (24h) |
| United Kingdom | 111 |

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

| | |
|-----------------------------------|---------------------|
| Serious eye damage/eye irritation | Category 2 - (H319) |
| Chronic aquatic toxicity | Category 3 - (H412) |

2.2. Label elements



Signal word

Warning

Hazard statements

H319 - Causes serious eye irritation

H412 - Harmful to aquatic life with long lasting effects

Precautionary Statements - EU (528, 1272/2008)

P280 - Wear eye protection/ face protection

P337 + P313 - If eye irritation persists: Get medical advice/attention

2.3. Other hazards

Causes mild skin irritation. Harmful to aquatic life.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

| Chemical name | EC No | Weight-% | Classification according to Regulation (EC) No. 1272/2008 [CLP] | Specific concentration limit (SCL) | REACH registration number | M-Factor | M-Factor (long-term) |
|--|-----------|----------|--|------------------------------------|---------------------------|----------|----------------------|
| Potassium sulphate; K ₂ SO ₄ (7778-80-5) | 231-915-5 | 25 - 40% | Eye Irrit. 2 (H319) | - | 01-2119489441-34 | - | - |
| Iron sulphate; FeSO ₄ +1H ₂ O (7720-78-7) | 231-753-5 | 1 - 5% | Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Acute Tox. 4 (H302) | - | 01-2119513203-57 | - | - |
| Manganese sulphate; MnSO ₄ +1H ₂ O (7785-87-7) | 232-089-9 | 0.1 - 1% | STOT RE 2 (H373) Eye Dam. 1 (H318) Aquatic Chronic 2 (H411) | - | 01-2119456624-35 | - | - |

Full text of H- and EUH-phrases: see section 16

Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATE_{mix}) for classifying a mixture based on its components

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 - 4 hour - dust/mist - mg/L |
|--|-----------|-------------------|---|
| Potassium sulphate; K ₂ SO ₄ | 6600 | No data available | No data available |
| Iron sulphate; FeSO ₄ +1H ₂ O | 319 | No data available | No data available |
| Manganese sulphate; MnSO ₄ +1H ₂ O | 782 | No data available | No data available |

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---|---|
| General advice | Show this safety data sheet to the doctor in attendance. |
| Inhalation | Remove to fresh air. |
| Eye contact | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists. |
| Skin contact | Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician. |
| Ingestion | Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician. |
| Self-protection of the first aider | Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8). |

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

| | |
|-----------------|---|
| Symptoms | May cause redness and tearing of the eyes. Burning sensation. Prolonged contact may cause redness and irritation. |
|-----------------|---|

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

| | |
|---------------------------|------------------------|
| Note to physicians | Treat symptomatically. |
|---------------------------|------------------------|

SECTION 5: Firefighting measures

5.1. Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

| | |
|--------------------------------------|--|
| Hazardous Combustion Products | Thermal decomposition can lead to release of toxic/corrosive gases and vapors. |
|--------------------------------------|--|

5.3. Advice for firefighters

| | |
|---|---|
| Special protective equipment and precautions for fire-fighters | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. |
|---|---|

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

| | |
|-----------------------------|---|
| Personal precautions | Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. |
| Other information | Refer to protective measures listed in Sections 7 and 8. |

For emergency responders Use personal protection recommended in Section 8. Prevent entry into waterways, sewers, basements or confined areas.

6.2. Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information. Do not flush into surface water or sanitary sewer system.

6.3. Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal. Use up product completely. Packaging material is industrial waste.

Prevention of secondary hazards 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

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product.

General hygiene considerations Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

Packaging materials Keep in original container, tightly closed in a safe place.

7.3. Specific end use(s)

Specific use(s) Fertilizer.

Exposure scenario Mixture. Not required.

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

Other Information

LGK (Germany) TRGS 510 13

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

| Chemical name | European Union | Austria | Belgium | Bulgaria | Croatia |
|--|----------------|----------------------------|----------------------------|-----------------------------|---|
| Potassium sulphate; K ₂ SO ₄ | - | - | - | TWA: 10.0 mg/m ³ | - |
| Iron sulphate; FeSO ₄ +1H ₂ O | - | - | TWA: 1 mg/m ³ | TWA: 1.0 mg/m ³ | TWA: 1 mg/m ³ STEL: 2 mg/m ³ |
| Manganese sulphate; | - | TWA: 0.2 mg/m ³ | TWA: 0.2 mg/m ³ | TWA: 0.05 mg/m ³ | TWA: 0.2 mg/m ³ |

| | | | | | |
|---|--|---|--|---|---|
| MnSO ₄ +1H ₂ O | | STEL 1.6 mg/m ³ | | | TWA: 0.05 mg/m ³ |
| Chemical name | Cyprus | Czech Republic | Denmark | Estonia | Finland |
| Iron sulphate; FeSO ₄ +1H ₂ O | - | - | TWA: 1 mg/m ³ | - | TWA: 1 mg/m ³ |
| Manganese sulphate; MnSO ₄ +1H ₂ O | TWA: 0.2 mg/m ³ TWA: 0.05 mg/m ³ | TWA: 1 mg/m ³ Ceiling: 2 mg/m ³ | TWA: 0.2 mg/m ³ | TWA: 0.2 mg/m ³ TWA: 0.05 mg/m ³ | TWA: 0.02 mg/m ³ TWA: 0.2 mg/m ³ |
| Chemical name | France | Germany | Germany MAK | Greece | Hungary |
| Iron sulphate; FeSO ₄ +1H ₂ O | - | - | - | TWA: 1 mg/m ³ STEL: 2 mg/m ³ | - |
| Manganese sulphate; MnSO ₄ +1H ₂ O | - | TWA: 0.2 mg/m ³ TWA: 0.02 mg/m ³ | TWA: 0.2 mg/m ³ TWA: 0.02 mg/m ³ Peak: 1.6 mg/m ³ Peak: 0.16 mg/m ³ | TWA: 0.2 mg/m ³ TWA: 0.05 mg/m ³ | TWA: 0.2 mg/m ³ TWA: 0.05 mg/m ³ |
| Chemical name | Italy | Latvia | Lithuania | Luxembourg | Netherlands |
| Potassium sulphate; K ₂ SO ₄ | - | TWA: 10 mg/m ³ | TWA: 10 mg/m ³ | - | - |
| Manganese sulphate; MnSO ₄ +1H ₂ O | TWA: 0.05 mg/m ³ | TWA: 0.2 mg/m ³ TWA: 0.05 mg/m ³ | TWA: 0.2 mg/m ³ TWA: 0.05 mg/m ³ | - | TWA: 0.2 mg/m ³ TWA: 0.05 mg/m ³ |
| Chemical name | Norway | Poland | Portugal | Romania | Slovakia |
| Iron sulphate; FeSO ₄ +1H ₂ O | TWA: 1 mg/m ³ STEL: 3 mg/m ³ | - | TWA: 1 mg/m ³ | - | - |
| Manganese sulphate; MnSO ₄ +1H ₂ O | TWA: 0.1 mg/m ³ STEL: 0.1 ppm | TWA: 0.05 mg/m ³ | TWA: 0.2 mg/m ³ TWA: 0.05 mg/m ³ | TWA: 0.2 mg/m ³ TWA: 0.05 mg/m ³ | TWA: 0.2 mg/m ³ |
| Chemical name | Slovenia | Spain | Sweden | Switzerland | United Kingdom |
| Iron sulphate; FeSO ₄ +1H ₂ O | - | TWA: 1 mg/m ³ | - | TWA: 1 mg/m ³ | TWA: 1 mg/m ³ |
| Manganese sulphate; MnSO ₄ +1H ₂ O | TWA: 0.05 mg/m ³ STEL: 0.4 mg/m ³ | TWA: 0.2 mg/m ³ TWA: 0.05 mg/m ³ | NGV: 0.2 mg/m ³ NGV: 0.05 mg/m ³ | TWA: 0.5 mg/m ³ | TWA: 0.2 mg/m ³ TWA: 0.05 mg/m ³ |

Biological occupational exposure limits

| | | | | | |
|---|----------------|---|----------|--|----------------|
| Chemical name | European Union | Austria | Bulgaria | Croatia | Czech Republic |
| Manganese sulphate; MnSO ₄ +1H ₂ O | - | 20 µg/L (blood - whole blood not provided) (-) | - | - | - |
| Chemical name | Denmark | Finland | France | Germany | Germany MAK |
| Manganese sulphate; MnSO ₄ +1H ₂ O | - | - | - | 15 µg/L - BAR (end of exposure or end of shift) blood 15 µg/L - BAR (for long-term exposures: at the end of the shift after several shifts) blood | - |

Derived No Effect Level (DNEL) No information available.

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Personal protective equipment Wear normal, light working clothing

Eye/face protection Wear safety glasses with side shields (or goggles).

Hand protection Wear suitable gloves.

Skin and body protection Wear suitable protective clothing.

| | |
|--|--|
| Respiratory protection | No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. |
| General hygiene considerations | Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. |
| Environmental exposure controls | Local authorities should be advised if significant spillages cannot be contained. Prevent product from entering drains. |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-----------------------|-------------|
| Physical state | Solid |
| Appearance: | Granules |
| Color: | light brown |
| Odor: | Fertilizer. |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|--------------------------------------|-------------------|-------------------------|
| Melting Point/Freezing Point: | No data available | None known |
| Boiling Point/Range: | No data available | None known |
| Flammability (solid, gas): | No data available | None known |
| Flammability Limits in Air: | | None known |
| Upper Flammability Limit: | No data available | |
| Lower Flammability Limit: | No data available | |
| Flash Point: | No data available | None known |
| Autoignition Temperature: | No data available | None known |
| Decomposition Temperature: | | None known |
| pH | No data available | None known |
| pH (as aqueous solution) | No data available | None known |
| Kinematic Viscosity: | No data available | None known |
| Dynamic Viscosity: | No data available | None known |
| Water solubility | No data available | None known |
| Solubility(ies) | No data available | None known |
| Partition Coefficient: | No data available | None known |
| Vapor Pressure: | No data available | None known |
| Relative density | No data available | None known |
| Bulk density | No data available | |
| Density: | No data available | |
| Vapour density | No data available | None known |
| Particle characteristics | | |
| Particle Size | No data available | |
| Particle Size Distribution | No data available | |

9.2. Other information

9.2.1. Information with regard to physical hazard classes
Not applicable

9.2.2. Other safety characteristics
No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Not reactive.

10.2. Chemical stability

Stability Stable under normal conditions.

Specific methods:

Sensitivity to mechanical impact Not sensitive.
Sensitivity to static discharge Not sensitive.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid Keep away from open flames, hot surfaces and sources of ignition.

10.5. Incompatible materials

Incompatible materials Keep away from catalysts like derivatives of hexavalent chromium and metal halides. Keep away from flammable products (fuels) like charcoal, wood, flour, soot etc.

10.6. Hazardous decomposition products

Hazardous Decomposition Products None under normal processing. Thermal decomposition can lead to release of irritating and toxic gases and vapors.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information on likely routes of exposure

Product Information

| | |
|---------------------|--|
| Inhalation | Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. |
| Eye contact | Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain. |
| Skin contact | Specific test data for the substance or mixture is not available. May cause irritation. Prolonged contact may cause redness and irritation. Causes mild skin irritation. |
| Ingestion | Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. |

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms May cause redness and tearing of the eyes. Prolonged contact may cause redness and irritation.

Numerical measures of toxicity

Acute toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 24,183.60 mg/kg

0 % of the mixture consists of ingredient(s) of unknown toxicity

Component Information

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|--|----------------------|-------------|----------------------|
| Potassium sulphate; K ₂ SO ₄ | = 6600 mg/kg (Rat) | - | - |
| Iron sulphate; FeSO ₄ +1H ₂ O | = 500 mg/kg (Rat) | - | - |
| Manganese sulphate; MnSO ₄ +1H ₂ O | = 2125 mg/kg (Rat) | - | > 4.98 mg/L (Rat) 4h |

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure:

| | |
|--|--|
| Skin corrosion/irritation | May cause skin irritation. Classification based on data available for ingredients. |
| Serious eye damage/eye irritation | Classification based on data available for ingredients. Causes serious eye irritation. |
| Respiratory or skin sensitization | Based on available data, the classification criteria are not met. |
| Germ cell mutagenicity | Based on available data, the classification criteria are not met. |
| Carcinogenicity | Based on available data, the classification criteria are not met. |
| Reproductive toxicity | Based on available data, the classification criteria are not met. |
| STOT - single exposure | Based on available data, the classification criteria are not met. |
| STOT - repeated exposure | Based on available data, the classification criteria are not met. |
| Aspiration hazard | Based on available data, the classification criteria are not met. |
| Endocrine disrupting properties | This product does not contain any known or suspected endocrine disruptors. |

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Harmful to aquatic life with long lasting effects.

Unknown aquatic toxicity

Contains 27 % of components with unknown hazards to the aquatic environment.

| Chemical name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|---|--|---|----------------------------|---|
| Potassium sulphate; K ₂ SO ₄ | EC50: =2900mg/L (72h, <i>Desmodesmus subspicatus</i>) | LC50: 510 - 880mg/L (96h, <i>Pimephales promelas</i>) LC50: =3550mg/L (96h, <i>Lepomis macrochirus</i>) LC50: =653mg/L (96h, <i>Lepomis macrochirus</i>) | - | EC50: =890mg/L (48h, <i>Daphnia magna</i>) |
| Iron sulphate; FeSO ₄ +1H ₂ O | - | LC50: =0.56mg/L (96h, <i>Cyprinus carpio</i>) LC50: =925mg/L (96h, <i>Poecilia reticulata</i>) | - | EC50: 6.15 - 9.26mg/L (48h, <i>Daphnia magna</i>) EC50: =152mg/L (48h, <i>Daphnia magna</i>) |

12.2. Persistence and degradability

Persistence and Degradability: No information available.

12.3. Bioaccumulative potential

Bioaccumulation There is no data for this product.

12.4. Mobility in soil

Mobility in soil no data available.

Mobility no data available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment

| Chemical name | PBT and vPvB assessment |
|--|---|
| Potassium sulphate; K ₂ SO ₄ | The substance is not PBT / vPvB PBT assessment does not apply |
| Iron sulphate; FeSO ₄ +1H ₂ O | The substance is not PBT / vPvB PBT assessment does not apply |
| Manganese sulphate; MnSO ₄ +1H ₂ O | The substance is not PBT / vPvB PBT assessment does not apply |

12.6. Endocrine disrupting properties

Endocrine disrupting properties This product does not contain any known or suspected endocrine disruptors.

12.7. Other adverse effects

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.

Other Information Use up product completely. Packaging material is industrial waste. If material is uncontaminated, collect and reuse as recommended for product.

SECTION 14: Transport information

IMDG

| | |
|---|-------------------|
| 14.1 UN-No: | Not regulated |
| 14.2 Proper shipping name: | Not regulated |
| 14.3 Transport hazard class(es) | Not regulated |
| 14.4 Packing group: | Not regulated |
| 14.5 Marine Pollutant: | Not regulated |
| 14.6 Special Provisions | None |
| 14.7 Bulk transport according Annex II of MARPOL and IBC Code | No data available |

ADR

| | |
|---|---------------|
| 14.1 UN-No: | Not regulated |
| 14.2 Proper shipping name: | Not regulated |
| 14.3 Transport hazard class(es) | Not regulated |
| 14.4 Packing group: | Not regulated |
| 14.5 | |

| | |
|-------------------------------|---------------|
| Environmental hazards 14.6 | Not regulated |
| Special Provisions | None |

IATA

| | |
|------------------------------------|---------------|
| 14.1 UN number or ID number | Not regulated |
| 14.2 Proper shipping name: | Not regulated |
| 14.3 Transport hazard class(es) | Not regulated |
| 14.4 Packing group | Not regulated |
| 14.5 Environmental hazards | Not regulated |
| 14.6 Special Provisions | None |

SECTION 15: Regulatory information

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

National regulations

Denmark

France

ICPE Not regulated

Germany

LGK (Germany) TRGS 510

13

Gefahrstoffverordnung (Germany) TRGS 511

Not regulated

Water hazard class (WGK)

slightly hazardous to water (WGK 1)

| Chemical name | German WGK Section |
|--|--|
| Potassium sulphate; K ₂ SO ₄ | Reg. no. 255, hazard class 1 - slightly hazardous to water |
| Iron sulphate; FeSO ₄ +1H ₂ O | 1 |
| Manganese sulphate; MnSO ₄ +1H ₂ O | 2 |

Netherlands

| Chemical name | Netherlands - List of Carcinogens | Netherlands - List of Mutagens | Netherlands - List of Reproductive Toxins |
|--|-----------------------------------|--------------------------------|--|
| Manganese sulphate; MnSO ₄ +1H ₂ O | - | - | Fertility Category 2 Development Category 2 |

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.

Take note of Directive 94/33/EC on the protection of young people at work

Not to be used by professional users below 18 years of age, see the National Working Environment Authorities Executive Order on young peoples dangerous 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)

REGULATION (EU) 2019/1148 on the marketing and use of explosives precursors

Not regulated

Persistent Organic Pollutants Not applicable

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

Plant protection products directive (91/414/EEC)

| Chemical name | Plant protection products directive (91/414/EEC) |
|---|--|
| Iron sulphate; FeSO ₄ ·1H ₂ O | Plant protection agent |

EU - Biocides

International Inventories:

Legend:

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL** - 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 Substance(s) usage is covered according to Reach regulation 1907/2006

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

- H302 - Harmful if swallowed
- H315 - Causes skin irritation
- 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
- H410 - Very toxic to aquatic life with long lasting effects
- H411 - Toxic to aquatic life with long lasting effects

Legend

- SVHC: Substances of Very High Concern for Authorization:
- PBT: Persistent, Bioaccumulative, and Toxic (PBT) Chemicals
- vPvB: Very Persistent and very Bioaccumulative (vPvB) Chemicals

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

- Calculation method
- Expert judgment and weight of evidence determination

| Classification procedure | |
|--|--------------------|
| <i>Classification according to Regulation (EC) No. 1272/2008 [CLP]</i> | <i>Method Used</i> |
| 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

Prepared by Regulatory Affairs Department (INFO-MSDS@EVERRIS.COM)

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Restrictions on use Restricted to professional users

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

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End of Safety Data Sheet