Safety Data Sheet

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Version: 5.01

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier Product Name Product Code: Pure substance/mixture

Step Hi-Mag 44860120DB Mixture.

1.2. Relevant identified uses of the substance or mixture and uses advised againstRecommended UseFertilizer (PC12). Restricted to professional users.Uses Advised Against:Consumer use [SU 21].

<u>1.3. Details of the supplier of the safety data sheet</u> 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.

1.4. Emergency telephone number: IN CASE OF AN EMERGENCY CALL: +44 1235 239 670 (24h).

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture Mixture

Regulation (EC) No 1272/2008 (CLP)

| Acute toxicity - Oral | Category 4 - (H302) |
|--|---------------------|
| Eye Irritation | Category 2 - (H319) |
| Specific Target Organ Toxicity (Repeated Exposure) | Category 2 - (H373) |
| Chronic aquatic toxicity | Category 2 - (H411) |

2.2. Label elements



Signal Word: Warning

Hazard Statements:

H319 - Causes serious eye irritation

H411 - Toxic to aquatic life with long lasting effects

H373 - May cause damage to organs through prolonged or repeated exposure

H302 - Harmful if swallowed

Contains Iron sulphate; FeSO4+1H2O, Manganese sulphate; MnSO4+1H2O, Zinc sulfate anhydrous; ZnSO4, Copper (I) oxide; Cu2O

Precautionary Statements:

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

- P337 + P313 If eye irritation persists: Get medical advice/attention
- P391 Collect spillage
- P260 Do not breathe dust/fume/gas/mist/vapors/spray
- P264 Wash skin thoroughly after handling
- P270 Do not eat, drink or smoke when using this product
- P273 Avoid release to the environment
- P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P314 - Get medical advice/attention if you feel unwell

P330 - Rinse mouth

P501 - Dispose of container in accordance with local regulation

Other hazards (UN-GHS)

H316 - Causes mild skin irritation

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

| Chemical Name | EC-No. | CAS No | Weight % | Classification according Regulation (EC) 1272/2008 [CLP] | REACH registration number |
|--|-----------|-----------|----------|--|------------------------------|
| Manganese sulphate; MnSO ₄ +1H ₂ O | 232-08-99 | 7785-87-7 | 5 - 10% | STOT RE 2 (H373) Eye Dam. 1 (H318) Aquatic Chronic 2 (H411) | 01-2119456624-35 |
| Iron sulphate; FeSO4+1H2O | 231-753-5 | 7720-78-7 | 5 - 10% | Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Acute Tox. 4 (H302) | 01-2119513203-57 |
| Zinc oxide; ZnO | 1314-13-2 | 1314-13-2 | 1 - 5% | Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) | 01-2119463881-32 |
| Copper oxide; CuO | 215-269-1 | 1317-38-0 | 0.1 - 1% | Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) | 01-2119502447-44 |
| Zinc sulphate mono hydrate; ZnSO4+1H ₂ O | 231-793-3 | 7446-19-7 | 0.1 - 1% | Acute Tox. 4 (H302) Eye Dam. 1 (H318) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) | 01-2119474684-27 |
| Copper sulphate anhydrous; CuSO4 | 231-847-6 | 7758-98-7 | < 0.1% | Eye Dam. 1 (H318) Acute Tox. 4 (H302) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) | 01-2119520566-40 |

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

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

| 4.1. Description of first aid measure General Advice: | First aid measures should be executed by trained personnel only. |
|--|--|
| Inhalation | If not breathing, give artificial respiration. |
| Skin Contact: | If a person feels unwell or symptoms of skin irritation appear, consult a physician. |
| Eye Contact: | If eye irritation persists, consult a specialist. |
| Ingestion: | In case of ingestion, the stomach should be emptied by gastric lavage under qualified medical supervision. If swallowed, seek medical advice immediately and show this container or label. |

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

None under normal processing

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

None under normal processing.

Section 5: FIRE FIGHTING MEASURES

High volume water jet.

5.1. Extinguishing media

Suitable Extinguishing Media:

Coordinate fire extinguishing measures to fire in surrounding area. Use dry chemical, CO2, water spray or "alcohol" foam.

Unsuitable Extinguishing Media:

5.2. Special hazards arising from the substance or mixture

The product itself does not burn. Thermal decomposition can lead to release of irritating and toxic gases and vapors.

5.3. Advice for firefighters

Use extinguishing agent suitable for type of surrounding fire. In the event of fire and/or explosion do not breathe fumes. 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 dust formation. Avoid contact with skin, eyes and clothing. Wear personal protective |
|---------------------------|--|
| | equipment. |
| For Emergency Responders: | Use personal protection recommended in Section 8. |

6.2. Environmental precautions

Keep away from living quarters. Do not allow material to contaminate ground water system. Prevent product from entering drains.

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 Cleanup: | Shovel or sweep up. |

6.4. Reference to other sections

§ 8, 12, 13.

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

General hygiene considerations:

Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. When using, do not eat, drink or smoke.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures/storage conditions:

Packaging Materials: LGK (Germany)

7.3. Specific end use(s)

Specific use(s) Exposure scenario when using, do not eat, drink or smoke.

For quality reasons: Keep out of reach of direct sunlight, store under dry conditions, partly used packaging should be closed well. Keep at temperatures between 0 °C and 40 °C. Store in original container. Store in a closed container. 13

Fertilizer; www.everris.com; Read and follow label instructions Mixture. Not required.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

| Manganese sulphate; MnSO4+1H2O | | |
|--------------------------------|--|--|
| Austria | STEL 2 mg/m ³ | |
| | TWA: 0.5 mg/m ³ | |
| Australia | 0.2 mg/m ³ | |
| Belgium - 8 Hr TWA | 0.2 mg/m ³ | |
| Denmark | TWA: 0.2 mg/m ³ | |
| Finland | TWA: 0.02 mg/m ³ TWA: 0.2 mg/m ³ | |
| Ireland | TWA: 0.2 mg/m ³ | |

| | STEL: 0.6 mg/m ³ |
|---|--|
| Japan | 0.2 mg/m ³ OEL Mn |
| NL MAC - TWA: | STEL: 0.05 mg/m ³ |
| Nemues | TWA: 0.2 mg/m ³ TWA: 0.1 mg/m ³ |
| Norway | STEL: 0.1 ppm |
| Poland | TWA: 0.05 mg/m ³ |
| Portugal | TWA: 0.05 mg/m ² |
| | TWA: 0.2 mg/m ³ |
| Spain - Valores Limite Ambientales - VLE | TWA: 0.2 mg/m ³ |
| Cwitzerland | TWA: 0.05 mg/m ³ |
| Switzerland | |
| UK EH40 WEL (8h) | 5 mg/m ³ |
| Iron sulphate; FeSO4+1H2O | 4 |
| Belgium - 8 Hr TWA Denmark | 1 mg/m ³ |
| | TWA: 1 mg/m ³ |
| Finland | TWA: 1 mg/m ³ |
| Ireland | TWA: 1 mg/m ³ |
| Nemueu | STEL: 2 mg/m ³ |
| Norway | TWA: 1 mg/m ³ |
| Portugal | STEL: 2 mg/m³ TWA: 1 mg/m³ |
| Portugal Spain - Valores Limite Ambientales - VLE | TWA: 1 mg/m ³ TWA: 1 mg/m ³ |
| Spain - valores Limite Ambientales - VLE | TWA: 1 mg/m ³ |
| UK EH40 WEL (8h) | LTEL (8 hr TWA) 1 mg/m ³ |
| | STEL (15 min) 2mg/m ³ |
| Zinc oxide; ZnO | |
| Austria | TWA: 5 mg/m ³ |
| Australia | 5 mg/m ³ TWA |
| Belgium - 8 Hr TWA | 10 mg/m ³ TWA |
| | 5.0 mg/m ³ TWA (as Zn) |
| Bulgaria - OEL- TWAs Croatia - OEL - STELs (KGVIs) | 10 mg/m ³ STEL [KGVI] |
| | |
| Czech Republic OEL | 2 mg/m³ TWA (as Zn) TWA: 4 mg/m³ |
| Denmark Finland | |
| Finland | TWA: 2 mg/m ³ |
| FR - OEL - 8h VMEs | STEL: 10 mg/m³ TWA: 5 mg/m³ |
| FR - OEL - ON VINES | TWA: 5 mg/m ³ |
| greece OEL 15 minute | 10 mg/m ³ STEL |
| Hungary - OEL - TWAs | 5 mg/m ³ TWA |
| Iceland - OEL - 8 Hour | 4 mg/m ³ TWA Zn |
| Ireland | TWA: 2 mg/m ³ |
| | STEL: 10 mg/m ³ |
| Japan | 1 mg/m ³ OEL |
| Korea - ISHA - OEL - TWAs | 2 mg/m ³ TWA (dust, respirable fraction, Serial No. 280); 5 mg/m ³ TWA |
| | (fume, Serial No. 281) |
| Latvia - OEL - TWAs | 0.5 mg/m³ TWA |
| Malaysia | 5 mg/m ³ TWA (fume); 10 mg/m ³ TWA (dust) |
| Norway | TWA: 5 mg/m ³ |
| | STEL: 10 mg/m ³ |
| Poland | STEL: 10 mg/m ³ |
| | TWA: 5 mg/m ³ |
| Portugal | STEL: 10 mg/m ³ |
| | TWA: 2 mg/m ³ |
| Romania - OEL - TWAs | 5 mg/m ³ TWA (fume) |
| Russia TWA | 0.5 mg/m ³ TWA 2360 |
| Slovenia - OEL - TWAs | 5 mg/m ³ TWA (respirable fraction, fume) |
| Spain - Valores Limite Ambientales - VLE | STEL: 10 mg/m ³ |
| Singenera, OEL DEL e | TWA: 2 mg/m ³ 5 mg/m ³ PEL |
| Singapore - OEL:PELs | 5 mg/m ³ PEL 10 mg/m ³ PEL |
| Switzerland | STEL: 3 mg/m ³ |
| Switzerland | TWA: 3 mg/m ³ |
| | 5 mg/m ³ TWA |
| UK EH40 WEL (8h) | |
| Copper oxide; CuO | STEL 0.4 ma/m3 |
| Austria | STEL 0.4 mg/m ³ TWA: 0.1 mg/m ³ |
| Finland | TWA: 0.1 mg/m ³ TWA: 0.02 mg/m ³ |
| Finland | TWA: 0.2 mg/m ³ |
| Poland | |

| Switzerland | STEL: 0.2 mg/m ³ TWA: 0.1 mg/m ³ |
|----------------------------------|---|
| UK EH40 WEL (8h) | 1 mg/m ³ TWA (total) |
| Copper sulphate anhydrous; CuSO4 | |
| Austria | STEL 4 mg/m ³ |
| | TWA: 1 mg/m ³ |
| Australia | N.A. |
| Finland | TWA: 0.02 mg/m ³ |
| Poland | TWA: 0.2 mg/m ³ |
| Russia TWA | 0.5 mg/m³ TWA 1258 |
| Switzerland | STEL: 0.2 mg/m ³ |
| | TWA: 0.1 mg/m ³ |

Derived No Effect Level (DNEL)

| Component | Oral | Dermal | Inhalation |
|---|------------------------|--------------------|-----------------------|
| Manganese sulphate; MnSO ₄ +1H ₂ O 7785-87-7 (5 - 10%) | 37.6 mg/m ³ | 0.004 mg/kg bw/day | 0.2 mg/m ³ |
| Zinc sulphate mono hydrate; ZnSO4+1H ₂ O | | 8.3 mg/kg bw/day | 1 mg/m ³ |
| 7446-19-7(0.1 - 1%) | | | |

Predicted No Effect Concentration (PNEC)

No data available

| Component | Fresh Water | Freshwater sediment | Sea Water | Sea sediment | Soil | Impact on Sewage Treatment |
|---|-------------|------------------------|-----------|--------------|------------|----------------------------------|
| Manganese sulphate; MnSO ₄ +1H ₂ O 7785-87-7 (5 - 10%) | 0.013 mg/l | 0.011 mg/kg | 0 mg/l | 0.001 mg/kg | 25.1 mg/kg | 25.1 mg/kg |
| Zinc sulphate mono hydrate; ZnSO ₄ +1H ₂ O 7446-19-7 (0.1 - 1%) | 20.6 µg/l | | 6.1 µg/l | 56.5 mg/kg | 35.6 mg/kg | 100 µg/l |
| Copper sulphate anhydrous; CuSO4 7758-98-7 (< 0.1%) | 7.8 μg/l | 87 mg/kg | 5.2 μg/l | 676 mg/kg | 65 mg/kg | 230 µg/l |

8.2. Exposure controls

| Personal protective equipment | |
|-------------------------------|---|
| Eye/Face Protection | Wear eye/face protection |
| Hand protection | Gloves. Nitrile rubber (0.26 mm). Break through time. > 8 h. |
| Respiratory Protection | Not required; except in case of aerosol formation. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit |
| Skin and body protection: | Lightweight protective clothing |
| Hygiene Measures: | When using, do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs. |

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical State: Appearance: Color: Odor: Bulk density: Melting Point/Freezing Point: Boiling Point/Range: Flash Point: Evaporation Rate: Flammability (solid, gas): Solid granulate grey, brown. None +/- 1350 kg/m³ No data available Solid. Not applicable. Solid. Not applicable. Solid. Not applicable. Not flammable Vapor Pressure: Vapour density Relative density Water Solubility: Solubility(ies) Partition Coefficient: Autoignition Temperature: Decomposition temperature: Explosive Properties: <u>9.2. Other information</u> VOC Content (%): Solid. Not applicable. Solid. Not applicable. No data available No data available Solid. Not applicable. No data available No data available No data available Doesn't present explosion hazard.

Solid. Not applicable.

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

Not reactive.

10.2. Chemical stability

Stable under normal conditions. **10.3. Possibility of hazardous reactions** None under normal processing. Thermal decomposition can lead to release of irritating and toxic gases and vapors.

10.4. Conditions to avoid

Burning produces obnoxious and toxic fumes.

10.5. Incompatible materials

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

10.6. 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 toxicological effects

Product Information

If this product is a mixture, the classification is not based on toxicology studies for this product, but is based solely on toxicology studies for ingredients found within this product. More detailed substance and/or ingredient information may be provided in the other sections of this SDS

Information on the Likely Routes of Exposure (inhalation, ingestion, skin and eye contact):

| Inhalation | Inhalation of dust in high concentration may cause irritation of respiratory system. |
|--------------|--|
| Eye contact | May cause slight irritation. |
| Skin Contact | May cause irritation. |
| Ingestion | May cause gastrointestinal discomfort if consumed in large amounts. |

Information on Toxicological Effects None known Acute Toxicity The following values are calculated based on chapter 3.1 of the GHS document: ATEmix (oral): 4,527.00 mg/kg

Unknown Acute Toxicity:

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

| Chemical Name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|--|--------------------|-------------------|----------------------|
| Manganese sulphate; MnSO ₄ +1H ₂ O | = 2125 mg/kg (Rat) | | > 4.98 mg/L (Rat) 4h |
| Iron sulphate; FeSO4+1H2O | = 500 mg/kg (Rat) | = 155 mg/kg (Rat) | |

| Zinc oxide; ZnO | > 5000 mg/kg (Rat) | | |
|--|--------------------|-----------------------|--|
| Copper sulphate anhydrous; CuSO ₄ | = 300 mg/kg (Rat) | = 1000 mg/kg (Rabbit) | |

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

If this product is a mixture, the classification is not based on toxicology studies for this product, but is based solely on toxicology studies for ingredients found within this product. More detailed substance and/or ingredient information may be provided in the other sections of this SDS

| Serious eye damage/eye irritation | Classification based on individual ingredients of the mixture. |
|-----------------------------------|--|
| Respiratory or skin sensitization | Classification based on individual ingredients of the mixture. |
| Germ Cell Mutagenicity | Classification based on individual ingredients of the mixture. |
| Carcinogenicity | Classification based on individual ingredients of the mixture. |
| Reproductive Toxicity | Classification based on individual ingredients of the mixture. |
| STOT - Single Exposure | Classification based on individual ingredients of the mixture. |
| STOT - Repeated Exposure | Classification based on individual ingredients of the mixture. |
| Aspiration Hazard | Classification based on individual ingredients of the mixture. |

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity Ecotoxicity Unknown Aquatic Toxicity

Should not be released into the environment 0% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

| Chemical Name | Algae/aquatic plants | Fish | Toxicity to Microorganisms | Crustacea |
|-------------------------------------|----------------------|---|-------------------------------|---|
| Iron sulphate; FeSO₄+1H₂O | - | 925: 96 h Poecilia reticulata mg/L LC50 static 0.56: 96 h Cyprinus carpio mg/L LC50 semi-static | | 152: 48 h Daphnia magna mg/L EC50 6.15 - 9.26: 48 h Daphnia magna mg/L EC50 Static |
| Copper sulphate anhydrous; CuSO4 | - | 0.1: 96 h Oncorhynchus mykiss mg/L LC50 | - | 0.024: 48 h Daphnia magna mg/L EC50 |

<u>12.2. Persistence and degradability</u> Persistence and Degradability:

12.3. Bioaccumulative potential Bioaccumulation:

12.4. Mobility in soil

12.5. PBT and vPvB assessment

12.6. Other adverse effects

No persistent or cumulative effects were observed.

Does not bioaccumulate.

No data available.

No data available.

No data available.

Section 13: DISPOSAL CONSIDERATIONS

<u>13.1. Waste treatment methods</u> Disposal of Wastes:

Disposal should be in accordance with applicable regional, national and local laws and regulations. Do not reuse container.

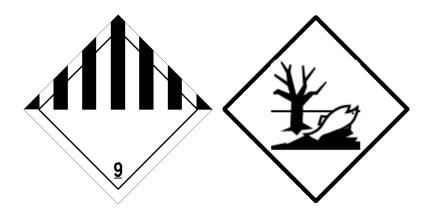
Contaminated Packaging:

Other Information

Use up product completely. Packaging material is industrial waste.

Section 14: TRANSPORT INFORMATION

| IMO / IMDG | | |
|---|---|--|
| <u>14.1</u> | | |
| UN-No: | 3077 | |
| <u>14.2</u> | | |
| Proper shipping name: | Environmentally Hazardous Substance Solid N.O.S. (Dicopper oxide, Zinc oxide) | |
| 14.3 | | |
| Hazard Class: | 9 | |
| 14.4 | | |
| Packing group: | | |
| Limited Quantity | 5 kg | |
| 14.5 | 5 | |
| Chemical Name | IMDG - Marine Pollutants | |
| Copper sulphate anhydrous; CuSO4 | IMDG regulated marine pollutant (Listed in the index, | |
| 7758-98-7(<0.1%) | listed under Copper sulphate, anhydrous, hydrates and solution) | |
| Marine Pollutant: | This material meets the definition of a marine pollutant | |
| Environmental Hazard | Yes | |
| 14.6 | 100 | |
| EmS: | F-A / S-F | |
| Special Provisions | 274, 335, 966, 967 | |
| 14.7_ | 2. 1, 000, 000, 001 | |
| Bulk transport according Annex II of MARPOL and IBC Cod | de No data available | |
| ADR/RID | | |
| 14.1 | | |
| UN-No: | 3077 | |
| <u>14.2</u> | | |
| Proper shipping name: | Environmentally Hazardous Substance Solid N.O.S. (Dicopper oxide, Zinc oxide) | |
| <u>14.3</u> | | |
| Hazard Class: | 9 | |
| <u>14.4</u> | | |
| Packing group: | III | |
| 14.5 | Vee | |
| Environmental Hazard 14.6 | Yes | |
| <u>14.0</u> Special Provisions | 274 | |
| Tunnel restriction code | E | |
| Limited Quantity | E 5 kg | |
| Environmental Hazard | Yes | |
| | | |
| Environmental Hazard | Yes | |
| ΙΑΤΑ | | |
| <u>14.1</u> UN-No: | 3077 | |
| <u>14.2</u> | | |
| Proper shipping name: | Environmentally Hazardous Substance Solid N.O.S. (Dicopper oxide, Zinc oxide) | |
| <u>14.3</u> Hazard Class: 14.4_ | 9 | |
| Packing group: 14.5_ | III | |
| Environmental Hazard 14.6 | Yes | |
| Special Provisions | A97, A158 | |



Section 15: REGULATORY INFORMATION

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

Belgium

Denmark

Denmark

France ICPE

<u>Germany</u>

LGK (Germany) Water Endangering Class (WGK): Gefahrstoffverordnung (Germany) TRGS 511 No data available

Classified installation: article 4511

13 1 (Everris classification) Not regulated

| Component | German WGK Section |
|--|--------------------|
| Manganese sulphate; MnSO ₄ +1H ₂ O | 2 |
| 7785-87-7 (5 - 10%) | |
| Iron sulphate; FeSO4+1H2O | 1 |
| 7720-78-7 (5 - 10%) | |
| Zinc oxide; ZnO | class 2 |
| 1314-13-2 (1 - 5%) | |
| Copper oxide; CuO | class 1 |
| 1317-38-0 (0.1 - 1%) | |
| Zinc sulphate mono hydrate; ZnSO4+1H2O | 3 |
| 7446-19-7 (0.1 - 1%) | |
| Copper sulphate anhydrous; CuSO4 | 2 |
| 7758-98-7 (< 0.1%) | |

15.2 Chemical safety assessment

Substance(s) usage is covered according to Reach regulation 1907/2006

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

Section 16: OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3

- H400 Very toxic to aquatic life
- H410 Very toxic to aquatic life with long lasting effects
- H302 Harmful if swallowed
- H332 Harmful if inhaled
- H318 Causes serious eye damage

- H315 - Causes skin irritation

- H319 - Causes serious eye irritation

- H373 - May cause damage to the kidneys/ liver/ eyes/ brain/ digestive system/ central nervous system through prolonged or repeated exposure if swallowed

- H411 - Toxic to aquatic life with long lasting effects

- H316 - Causes mild skin irritation

Key or legend to abbreviations and acronyms used in the safety data sheet

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail

ICAO: International Civil Aviation Organization

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labeling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PNEC: Predicted No Effect Concentration

DNEL: Derived No-Effect Level

REACh: Registration, Evaluation, Authorization of Chemicals

CLP: EU-GHS; Classification, Labelling and Packaging

OEL: Occupational Exposure Limit

TWA: Time Weighted Average

ATE: Acute Toxicity Estimate

EUH phrase: CLP (EU) specific hazard statement

LD50: Lethal dose, 50%.

LC50: Lethal concentration, 50%.

SVHC: Substance of Very High Concern.

Classification procedure

Calculation method

· Expert judgment and weight of evidence determination

| Key literature references and sources for data | According to EC Regulation 1907/2006 (Reach), Regulation EU No. 2015/830. Regulation (EC) No 1272/2008 (CLP). |
|--|---|
| Prepared by | Regulatory Affairs Department (INFO-MSDS@EVERRIS.COM) |
| Issue Date | 02-Dec-2015 |
| Restrictions on use | Restricted to professional users |
| Reason for revision | *** Indicates changes since the last revision. This version |

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