



| Version<br>1.12 | Revision Date: 28.09.2024     |      | S Number:<br>93397-00013           | Date of last issue: 06.04.2024<br>Date of first issue: 14.08.2020 |
|-----------------|-------------------------------|------|------------------------------------|---|
|                 |                               |      |                                    |   |
|                 |                               |      |                                    |   |
| Section 1:      | Identification                |      |                                    |   |
| Produ           | uct identifier                | :    | Diclazuril (0.25%                  | b) Formulation  |
| Other<br>tion   | means of identifica-          | :    | Vecoxan 2.5 mg<br>(A011172)        | /mL Oral Suspension for Lambs and Calves                          |
| Reco            | mmended use of the c          | hem  | ical and restriction               | ons on use  |
|                 | mmended use<br>actions on use | :    | Veterinary produ<br>Not applicable | ict   |
| Manu            | facturer or supplier's        | deta | ils                                |   |
| Comp            | pany                          | :    | MSD                                |   |
| Addre           | PSS                           | :    | 50 Tuas West D<br>Singapore - Sing |   |
| Telep           | hone                          | :    | +1-908-740-400                     | 0   |
| Emer            | gency telephone numbe         | er : | 65 6697 2111 (2                    | 4/7/365)  |
| E-mai           | il address                    | :    | EHSDATASTEW                        | /ARD@msd.com  |

### Section 2: Hazard identification

#### Classification of the substance or mixture

Not a hazardous substance or mixture.

### GHS Label elements, including precautionary statements

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

# Other hazards which do not result in classification None known.

#### Section 3: Composition/information on ingredients

Substance / Mixture : Mixture

Components

| Chemical name | CAS-No.     | Concentration (% w/w) |
|---------------|-------------|-----------------------|
| Cellulose     | 9004-34-6   | >= 1 -< 10            |
| Diclazuril    | 101831-37-2 | >= 0.1 -< 1           |





| 1.12         28.09.2024         6193397-00013         Date of first issue: 14.08.2020 | Version<br>1.12 | Revision Date: 28.09.2024 | SDS Number:<br>6193397-00013 | Date of last issue: 06.04.2024<br>Date of first issue: 14.08.2020 |
|---|-----------------|---------------------------|------------------------------|---|
|---|-----------------|---------------------------|------------------------------|---|

### Section 4: First-aid measures

| Des   | cription of necessary firs   | st-a             | id measures  |
|---|--|------------------|--|
| Gen   | neral advice   | :                | In the case of accident or if you feel unwell, seek medical ad-<br>vice immediately.<br>When symptoms persist or in all cases of doubt seek medical<br>advice.   |
| If inl  | haled  | :                | If inhaled, remove to fresh air.<br>Get medical attention.   |
| In ca   | ase of skin contact  | :                | In case of contact, immediately flush skin with soap and plenty<br>of water.<br>Remove contaminated clothing and shoes.<br>Get medical attention.<br>Wash clothing before reuse.<br>Thoroughly clean shoes before reuse. |
| In ca   | ase of eye contact   | :                | Flush eyes with water as a precaution.<br>Get medical attention if irritation develops and persists.   |
| lf sv   | vallowed   | :                | If swallowed, DO NOT induce vomiting.<br>Get medical attention.<br>Rinse mouth thoroughly with water.  |
| Mos   | st important symptoms a  | nd               | effects, both acute and delayed  |
| Risk<br>Prot  | ks<br>tection of first-aiders  | :                | None known.<br>First Aid responders should pay attention to self-protection,<br>and use the recommended personal protective equipment<br>when the potential for exposure exists (see section 8).                         |
| Indi  | cation of any immediate  | me               | dical attention and special treatment needed   |
|   |  |                  |  |
| Trea  | atment   | :                | Treat symptomatically and supportively.  |
|   | atment 5: Fire-fighting measures   | :<br>s           | Treat symptomatically and supportively.  |
| Section   |  | :<br>s           | Treat symptomatically and supportively.  |
| Section<br>Extin  | 5: Fire-fighting measures  | :<br>s           | Treat symptomatically and supportively.<br>Water spray<br>Alcohol-resistant foam<br>Carbon dioxide (CO2)<br>Dry chemical   |
| Section<br>Extir<br>Suit  | 5: Fire-fighting measures<br>nguishing media<br>able extinguishing media<br>suitable extinguishing   |                  | Water spray<br>Alcohol-resistant foam<br>Carbon dioxide (CO2)  |
| Section<br>Extir<br>Suit  | 5: Fire-fighting measures<br>nguishing media<br>able extinguishing media<br>suitable extinguishing   | :                | Water spray<br>Alcohol-resistant foam<br>Carbon dioxide (CO2)<br>Dry chemical<br>None known.   |
| Section<br>Extin<br>Suit<br>Uns<br>med                                | 5: Fire-fighting measures<br>nguishing media<br>able extinguishing media<br>uitable extinguishing<br>dia<br>ecial hazards arising from<br>crific hazards during fire-        | :<br>:           | Water spray<br>Alcohol-resistant foam<br>Carbon dioxide (CO2)<br>Dry chemical<br>None known.   |
| Section<br>Extin<br>Suit<br>Uns<br>med<br>Spe<br>fight                | 5: Fire-fighting measures<br>nguishing media<br>able extinguishing media<br>uitable extinguishing<br>dia<br>ecial hazards arising from<br>cific hazards during fire-<br>ting | :<br>:<br>:<br>: | Water spray<br>Alcohol-resistant foam<br>Carbon dioxide (CO2)<br>Dry chemical<br>None known.<br><b>e substance or mixture</b><br>Exposure to combustion products may be a hazard to health.                              |
| Section<br>Extin<br>Suit<br>Uns<br>med<br>Spe<br>fight<br>Haz<br>ucts | 5: Fire-fighting measures<br>nguishing media<br>able extinguishing media<br>uitable extinguishing<br>dia<br>ecial hazards arising from<br>cific hazards during fire-<br>ting | :<br>:<br>:<br>: | Water spray<br>Alcohol-resistant foam<br>Carbon dioxide (CO2)<br>Dry chemical<br>None known.<br>e substance or mixture<br>Exposure to combustion products may be a hazard to health.<br>Carbon oxides                    |



| Version<br>1.12                     | Revision Date: 28.09.2024                     |           | S Number:<br>93397-00013  | Date of last issue: 06.04.2024<br>Date of first issue: 14.08.2020  |  |
|-------------------------------------|---|-----------|---|--|--|
|                                     |   |           |   |  |  |
| for fire                            | efighters                                     |           | Use personal p  | rotective equipment.   |  |
| Specific extinguishing meth-<br>ods |   | :         | <ul> <li>Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.</li> <li>Use water spray to cool unopened containers.</li> <li>Remove undamaged containers from fire area if it is safe to do so.</li> <li>Evacuate area.</li> </ul> |  |  |
| Section 6:                          | Accidental release m                          | easu      | res   |  |  |
|                                     | precautions, protectiv<br>nal precautions     |           | Use personal p<br>Follow safe har   | nergency procedures<br>rotective equipment.<br>Indling advice (see section 7) and personal pro-<br>ent recommendations (see section 8).  |  |
|                                     | ental precautions<br>onmental precautions     | :         | Prevent further<br>Prevent spread<br>barriers).<br>Retain and disp  | o the environment.<br>leakage or spillage if safe to do so.<br>ing over a wide area (e.g. by containment or o<br>pose of contaminated wash water.<br>s should be advised if significant spillages<br>ained.  |  |
|                                     | and materials for cont<br>ods for cleaning up | ainm<br>: | Soak up with in<br>For large spills,<br>ment to keep m<br>be pumped, sto<br>Clean up remai<br>bent.<br>Local or nationa<br>posal of this ma<br>employed in the<br>mine which reg  | <b>ng up</b><br>ert absorbent material.<br>provide dyking or other appropriate contain-<br>aterial from spreading. If dyked material can<br>re recovered material in appropriate container<br>ning materials from spill with suitable absor-<br>al regulations may apply to releases and dis-<br>aterial, as well as those materials and items<br>a cleanup of releases. You will need to deter-<br>ulations are applicable.<br>d 15 of this SDS provide information regarding |  |

# Precautions for safe handling

| i recautions for sale narian | ''y |  |
|------------------------------|-----|--|
| Technical measures           | :   | See Engineering measures under EXPOSURE<br>CONTROLS/PERSONAL PROTECTION section. |
| Local/Total ventilation      | :   | Use only with adequate ventilation.  |
| Advice on safe handling      | :   | Avoid inhalation of vapour or mist.  |
| -                            |     | Do not swallow.  |
|                              |     | Avoid contact with eyes.   |
|                              |     | Avoid prolonged or repeated contact with skin.                                   |
|                              |     | Handle in accordance with good industrial hygiene and safety                     |
|                              |     |  |



| Version<br>1.12 | Revision Date:<br>28.09.2024 | SDS Number:<br>6193397-00013   | Date of last issue: 06.04.2024<br>Date of first issue: 14.08.2020  |
|-----------------|------------------------------|--|--|
| Hygid           | ene measures                 | <ul> <li>sessment</li> <li>Take care to penvironment.</li> <li>If exposure to flushing system place.</li> <li>When using constrained with the effective engineering constrained industrial hygues of admining flushing system place.</li> <li>When using constrained with the effective engineering constrained to flushing system place.</li> <li>When using constrained to flushing system place.</li> </ul> | ed on the results of the workplace exposure as-<br>prevent spills, waste and minimize release to the<br>e chemical is likely during typical use, provide eye<br>ms and safety showers close to the working<br>lo not eat, drink or smoke.<br>inated clothing before re-use.<br>operation of a facility should include review of<br>ontrols, proper personal protective equipment,<br>egowning and decontamination procedures,<br>iene monitoring, medical surveillance and the<br>strative controls.<br>• chemical is likely during typical use, provide eye<br>ms and safety showers close to the working<br>lo not eat, drink or smoke.<br>inated clothing before re-use.<br>operation of a facility should include review of<br>ontrols, proper personal protective equipment,<br>egowning and decontamination procedures,<br>iene monitoring, medical surveillance and the<br>strative controls. |
| Cond            | ditions for safe storage     |  |  |
|                 | litions for safe storage     | Store in acco  | erly labelled containers.<br>rdance with the particular national regulations.  |
| iviate          | rials to avoid               | : Do not store<br>Strong oxidizi   | vith the following product types:<br>ng agents   |

### Section 8: Exposure controls/personal protection

### **Control parameters**

### **Occupational Exposure Limits**

| Components | CAS-No.     | Value type<br>(Form of<br>exposure) | Control parame-<br>ters / Permissible<br>concentration | Basis    |
|------------|-------------|-------------------------------------|--|----------|
| Cellulose  | 9004-34-6   | PEL (long<br>term)                  | 10 mg/m3   | SG OEL   |
|            |             | TWA                                 | 10 mg/m3   | ACGIH    |
| Diclazuril | 101831-37-2 | TWA                                 | 30 µg/m3 (OEB<br>3)                                    | Internal |
|            |             | Wipe limit                          | 300 µg/100 cm2   | Internal |

Appropriate engineering control measures

: Use appropriate engineering controls and manufacturing technologies to control airborne concentrations (e.g., dripless quick connections).





| Versior<br>1.12 | n Revision Date:<br>28.09.2024 |       | 0S Number:<br>93397-00013   | Date of last issue: 06.04.2024<br>Date of first issue: 14.08.2020  |  |  |
|-----------------|--------------------------------|-------|---|--|--|--|
|                 |                                |       | design and opera<br>protect products,<br>Containment tech<br>are required to co       |  |  |  |
| Inc             | dividual protection measu      | ures  | , such as persona   | al protective equipment (PPE)  |  |  |
| Ey              | re/face protection             | :     | If the work environ<br>mists or aerosols,<br>Wear a faceshield                        | ses with side shields or goggles.<br>nment or activity involves dusty conditions,<br>wear the appropriate goggles.<br>d or other full face protection if there is a<br>t contact to the face with dusts, mists, or |  |  |
| Sk              | in protection                  | :     | Work uniform or la<br>Additional body ga<br>task being perform<br>posable suits) to a | arments should be used based upon the<br>ned (e.g., sleevelets, apron, gauntlets, dis-<br>avoid exposed skin surfaces.<br>legowning techniques to remove potentially   |  |  |
| Re              | espiratory protection          | :     | sure assessment   | exhaust ventilation is not available or expo-<br>demonstrates exposures outside the rec-   |  |  |
| Ha              | Filter type<br>and protection  | :     | ommended guidelines, use respiratory protection.<br>Particulates type                 |  |  |  |
|                 | Material                       | :     | Chemical-resistar   | nt gloves  |  |  |
|                 | Remarks                        | :     | Consider double g   | gloving.   |  |  |
| Section         | n 9: Physical and chemica      | al pi | roperties   |  |  |  |
| Ap              | ppearance                      | :     | suspension  |  |  |  |
| Co              | blour                          | :     | No data available   | 9  |  |  |
| Oc              | dour                           | :     | No data available   | 9  |  |  |
| Oc              | dour Threshold                 | :     | No data available   | 9  |  |  |
| рH              | ł                              | :     | No data available   | 9  |  |  |
| Me              | elting point/freezing point    | :     | No data available   | 9  |  |  |

: No data available

: No data available

Initial boiling point and boiling : No data available

range

Flash point

Evaporation rate

### SAFETY DATA SHEET



# Diclazuril (0.25%) Formulation

| Version<br>1.12 | Revision Date:<br>28.09.2024                 |   | S Number:<br>93397-00013 | Date of last issue: 06.04.2024<br>Date of first issue: 14.08.2020 |
|-----------------|--|---|--------------------------|---|
|                 |  |   |                          |   |
|                 |  |   |                          |   |
| Flam            | mability (solid, gas)                        | : | Not applicable           |   |
| Flam            | mability (liquids)                           | : | No data available        | 9   |
|                 | er explosion limit / Upper<br>nability limit | : | No data available        | 9   |
|                 | er explosion limit / Lower<br>nability limit | : | No data available        | 9   |
| Vapo            | our pressure                                 | : | No data available        | 9   |
| Relat           | ive vapour density                           | : | No data available        | 9   |
| Relat           | tive density                                 | : | No data available        | 9   |
| Dens            | ity  | : | No data available        | 9   |
|                 | bility(ies)<br>/ater solubility              | : | No data available        | 9   |
|                 | tion coefficient: n-                         | : | Not applicable           |   |
|                 | nol/water<br>ignition temperature            | : | No data available        | 9   |
| Deco            | mposition temperature                        | : | No data available        | 9   |
| Visco<br>Vi     | osity<br>scosity, kinematic                  | : | No data available        | 9   |
| Explo           | osive properties                             | : | Not explosive            |   |
| Oxidi           | zing properties                              | : | The substance o          | r mixture is not classified as oxidizing.                         |
| Mole            | cular weight                                 | : | No data available        | 2   |
|                 | cle characteristics<br>cle size              | : | Not applicable           |   |

### Section 10: Stability and reactivity

| Reactivity                     | : | Not classified as a reactivity hazard.         |
|--------------------------------|---|--|
| Chemical stability             | : | Stable under normal conditions.                |
| Possibility of hazardous reac- | : | Can react with strong oxidizing agents.        |
| tions                          |   |  |
| Conditions to avoid            | : | None known.                                    |
| Incompatible materials         | : | Oxidizing agents                               |
| Hazardous decomposition        | : | No hazardous decomposition products are known. |
| products                       |   |  |





| Version | Revision Date: 28.09.2024 | SDS Number:   | Date of last issue: 06.04.2024  |
|---------|---------------------------|---------------|---------------------------------|
| 1.12    |                           | 6193397-00013 | Date of first issue: 14.08.2020 |
|         |                           |               |                                 |

### Section 11: Toxicological information

| Information on likely routes of exposure        | :   | Inhalation<br>Skin contact<br>Ingestion<br>Eye contact  |
|---|-----|---|
| Acute toxicity                                  |     |   |
| Not classified based on availa                  | ble | information.  |
| Components:                                     |     |   |
| Cellulose:                                      |     |   |
| Acute oral toxicity                             | :   | LD50 (Rat): > 5,000 mg/kg   |
| Acute inhalation toxicity                       | :   | LC50 (Rat): > 5.8 mg/l<br>Exposure time: 4 h<br>Test atmosphere: dust/mist                              |
| Acute dermal toxicity                           | :   | LD50 (Rabbit): > 2,000 mg/kg  |
| Diclazuril:                                     |     |   |
| Acute oral toxicity                             | :   | LD50 (Rat): > 5,000 mg/kg   |
|   |     | LD50 (Mouse): > 5,000 mg/kg   |
|   |     | LD50 (Dog): > 5,000 mg/kg   |
| Acute inhalation toxicity                       | :   | LC50 (Rat): > 2.24 mg/l   |
| Acute dermal toxicity                           | :   | LD50 (Rabbit): > 4,000 mg/kg  |
| Acute toxicity (other routes of administration) | :   | LD50 (Mouse): > 5,000 mg/kg<br>Application Route: Subcutaneous<br>Target Organs: Central nervous system |

### Skin corrosion/irritation

Not classified based on available information.

### **Components:**

Diclazuril: Remarks

: Not classified due to lack of data.

### Serious eye damage/eye irritation

Not classified based on available information.

### Components:

### Diclazuril:

Remarks

: Not classified due to lack of data.





| ersion<br>12         | Revision Date:<br>28.09.2024                             |                | Number:<br>397-00013                            | Date of last issue: 06.04.2024<br>Date of first issue: 14.08.2020  |
|----------------------|--|----------------|---|--|
| Been                 | izatany az akin anna                                     | Hingtion       |   |  |
|                      | iratory or skin sens                                     | itisation      |   |  |
| -                    | sensitisation<br>lassified based on av                   | ailable info   | ormation.                                       |  |
|                      | <b>iratory sensitisatior</b><br>lassified based on av    |                | ormation.                                       |  |
| <u>Com</u>           | ponents:   |                |   |  |
| <b>Dicla</b><br>Rema |  | : N            | ot classified c                                 | lue to lack of data.   |
| Not c                | n cell mutagenicity<br>lassified based on av<br>ponents: | ailable info   | ormation.                                       |  |
| Cellu                |  |                |   |  |
|                      | toxicity in vitro  |                | est Type: Bac<br>esult: negativ                 | terial reverse mutation assay (AMES)<br>e                          |
|                      |  |                | est Type: In v<br>esult: negativ                | itro mammalian cell gene mutation test<br>e                        |
| Geno                 | toxicity in vivo   | cy<br>SI<br>AI | togenetic ass<br>pecies: Mous                   | ute: Ingestion   |
| Dicla                | zuril:   |                |   |  |
| Geno                 | toxicity in vitro  |                | est Type: Bac<br>esult: negativ                 | terial reverse mutation assay (AMES)<br>e                          |
|                      |  | Τe             |   | itro mammalian cell gene mutation test<br>ouse lymphoma cells<br>e |
|                      |  | Τe             |   | cheduled DNA synthesis assay<br>at hepatocytes<br>e                |
|                      |  | Τe             |   | omosomal aberration<br>uman lymphocytes<br>e                       |
| Geno                 | toxicity in vivo   | S              | est Type: Mic<br>pecies: Mous<br>ell type: Bone |  |





| Version | Revision Date: 28.09.2024 | SDS Number:   | Date of last issue: 06.04.2024  |
|---------|---------------------------|---------------|---------------------------------|
| 1.12    |                           | 6193397-00013 | Date of first issue: 14.08.2020 |
|         |                           |               |                                 |

### Result: negative

Test Type: Sex-linked recessive lethal test in Drosophila melanogaster (in vivo) Result: negative

Test Type: dominant lethal test Species: Mouse Result: negative

### Carcinogenicity

Not classified based on available information.

### **Components:**

### Cellulose:

| Species<br>Application Route | - | Rat<br>Ingestion |
|------------------------------|---|------------------|
| Exposure time                | : | 72 weeks         |
| Result                       | : | negative         |

### Diclazuril:

| Species<br>Application Route<br>Exposure time<br>NOAEL<br>LOAEL<br>Result | <ul> <li>Mouse</li> <li>Oral</li> <li>25 Months</li> <li>3 mg/kg body weight</li> <li>11 mg/kg body weight</li> <li>negative</li> </ul> |
|---|---|
| Species   | : Rat   |
| Application Route   | : Oral  |
| Exposure time   | : 28 Months   |

| Exposure time | : 28 Months            |
|---------------|------------------------|
| NOAEL         | : 4 mg/kg body weight  |
| LOAEL         | : 15 mg/kg body weight |
| Result        | : negative             |

#### **Reproductive toxicity**

Not classified based on available information.

### **Components:**

### Cellulose:

| Effects on fertility               | : | Test Type: One-generation reproduction toxicity study<br>Species: Rat<br>Application Route: Ingestion<br>Result: negative |
|------------------------------------|---|---|
| Effects on foetal develop-<br>ment | : | Test Type: Fertility/early embryonic development<br>Species: Rat<br>Application Route: Ingestion<br>Result: negative      |



| .12  | Revision Date: 28.09.2024  |       | 0S Number:<br>93397-00013  | Date of last issue: 06.04.2024<br>Date of first issue: 14.08.2020  |
|--|--|-------|--|--|
|  |  |       |  |  |
| Diclaz   | zuril:   |       |  |  |
| Effect   | s on fertility   | :     | Early Embryonic<br>Symptoms: Redu  | generation study<br>- Parent: NOAEL: 5 mg/kg body weight<br>Development: LOAEL: 20 mg/kg body weig<br>uced offspring weight gain<br>nal toxicity observed. |
| Effect:<br>ment  | s on foetal develop-   | :     | Embryo-foetal to   | e: Oral<br>oxicity: NOAEL: 80 mg/kg body weight<br>xicity: LOAEL: 320 mg/kg body weight<br>Resorptions / resorption rate, Late Resorp-                     |
|  |  |       |  |  |
| Repro<br>sessm   | oductive toxicity - As-<br>nent  | :     | Suspected of dat   | maging the unborn child.   |
|  | <b>- single exposure</b><br>assified based on avai   | lable | information.   |  |
| INOT CI  | assilleu baseu uli avai  |       |  |  |
| STOT   | - repeated exposure<br>assified based on avail   |       | information.   |  |
| <b>STOT</b><br>Not cla   | - repeated exposure  |       | information.   |  |
| STOT<br>Not cla<br><u>Comp</u><br>Diclaz<br>Targe  | - repeated exposure<br>assified based on avail<br>conents:   |       | Liver, Lungs, Lyr  |  |
| STOT<br>Not cl<br>Comp<br>Diclaz<br>Targe<br>Asses   | <b>- repeated exposure</b><br>assified based on avail<br><b>conents:</b><br><b>zuril:</b><br>t Organs  |       | Liver, Lungs, Lyr<br>May cause dama  |  |
| STOT<br>Not cl<br>Comp<br>Diclaz<br>Targe<br>Asses<br>Repea  | <b>- repeated exposure</b><br>assified based on avail<br><b>conents:</b><br><b>zuril:</b><br>t Organs<br>ssment  |       | Liver, Lungs, Lyr<br>May cause dama  |  |
| STOT<br>Not cl<br>Comp<br>Diclaz<br>Targe<br>Asses<br>Repea  | • repeated exposure<br>assified based on avail<br>conents:<br>zuril:<br>at Organs<br>ssment<br>ated dose toxicity<br>conents:  |       | Liver, Lungs, Lyr<br>May cause dama  |  |
| STOT<br>Not cli<br>Comp<br>Diclaz<br>Targe<br>Asses<br>Repea<br>Comp<br>Cellul<br>Specie<br>NOAE<br>Applic | • repeated exposure<br>assified based on avail<br>conents:<br>zuril:<br>th Organs<br>ated dose toxicity<br>conents:<br>lose:<br>es<br>EL<br>cation Route                         |       | Liver, Lungs, Lyr<br>May cause dama<br>exposure.<br>Rat<br>>= 9,000 mg/kg<br>Ingestion |  |
| STOT<br>Not cli<br>Comp<br>Diclaz<br>Targe<br>Asses<br>Repea<br>Comp<br>Cellul<br>Specie<br>NOAE<br>Applic | - repeated exposure<br>assified based on avail<br>conents:<br>zuril:<br>th Organs<br>assment<br>ated dose toxicity<br>conents:<br>lose:<br>es<br>EL<br>cation Route<br>sure time |       | Liver, Lungs, Lyr<br>May cause dama<br>exposure.<br>Rat<br>>= 9,000 mg/kg              | nph nodes<br>age to organs through prolonged or repeated   |



| NOAEL<br>LOAEL<br>Applicatic<br>Exposure<br>Target Or<br>Species<br>NOAEL<br>LOAEL<br>Applicatic<br>Exposure<br>Target Or | time<br>gans<br>on Route | : 6 mg/kg<br>: 74 mg/kg<br>: Oral<br>: 12 Months<br>: Liver, Lungs, L<br>: Rat<br>: 4 mg/kg<br>: 69 mg/kg<br>: Oral | .ymph nodes   |
|---|--------------------------|---|---|
| LOAEL<br>Application<br>Exposure<br>Target Or<br>Species<br>NOAEL<br>LOAEL<br>Application<br>Exposure                     | time<br>gans<br>on Route | : 74 mg/kg<br>: Oral<br>: 12 Months<br>: Liver, Lungs, L<br>: Rat<br>: 4 mg/kg<br>: 69 mg/kg                        | .ymph nodes   |
| LOAEL<br>Application<br>Exposure<br>Target Or<br>Species<br>NOAEL<br>LOAEL<br>Application<br>Exposure                     | time<br>gans<br>on Route | : 74 mg/kg<br>: Oral<br>: 12 Months<br>: Liver, Lungs, L<br>: Rat<br>: 4 mg/kg<br>: 69 mg/kg                        | .ymph nodes   |
| Application<br>Exposure<br>Target Or<br>Species<br>NOAEL<br>LOAEL<br>Application<br>Exposure                              | time<br>gans<br>on Route | : Oral<br>: 12 Months<br>: Liver, Lungs, L<br>: Rat<br>: 4 mg/kg<br>: 69 mg/kg                                      | ymph nodes  |
| Exposure<br>Target Or<br>Species<br>NOAEL<br>LOAEL<br>Applicatio<br>Exposure  | time<br>gans<br>on Route | : 12 Months<br>: Liver, Lungs, L<br>: Rat<br>: 4 mg/kg<br>: 69 mg/kg  | .ymph nodes   |
| Target Or<br>Species<br>NOAEL<br>LOAEL<br>Applicatio<br>Exposure  | rgans<br>on Route        | : Liver, Lungs, L<br>: Rat<br>: 4 mg/kg<br>: 69 mg/kg   | ymph nodes  |
| Species<br>NOAEL<br>LOAEL<br>Applicatio<br>Exposure   | on Route                 | : Rat<br>: 4 mg/kg<br>: 69 mg/kg  | .ymph nodes   |
| NOAEL<br>LOAEL<br>Application<br>Exposure   |                          | : 4 mg/kg<br>: 69 mg/kg   |   |
| LOAEL<br>Applicatic<br>Exposure   |                          | : 69 mg/kg  |   |
| Application<br>Exposure   |                          |   |   |
| Exposure  |                          | : Oral  |   |
|   | time                     |   |   |
| Target Of   |                          | : 3 Months  |   |
|   | gans                     | : Liver   |   |
| Species   |                          | : Mouse   |   |
| NOAEL   |                          | : 30 mg/kg  |   |
| LOAEL   |                          | : 60 mg/kg  |   |
| Applicatio  |                          | : Oral  |   |
| Exposure  |                          | : 3 Months  |   |
| Target Or   | gans                     | : Liver   |   |
| Species   |                          | : Dog   |   |
| NOAEL   |                          | : 20 mg/kg  |   |
| LOAEL   |                          | : 80 mg/kg  |   |
| Exposure  | time                     | : 12 Months   |   |
| Aspiratio   | on toxicity              |   |   |
| Not class   | ified based on av        | vailable information.   |   |
| Experien  | ce with human            | exposure  |   |
| <u>Compone</u>  | ents:                    |   |   |
| Diclazuri   | I:                       |   |   |
| Ingestion   |                          | : Symptoms: Di  | arrhoea   |
| ction 12: E   | cological inform         | nation  |   |
|   |                          |   |   |
| Toxicitv  |                          |   |   |
| Toxicity  | ents:                    |   |   |
| Compon  |                          |   |   |
| -   |                          |   |   |
| Compon  | ):                       |   | latipes (Japanese medaka)): > 100 mg/l  |
| <u>Compone</u><br>Cellulose   | ):                       | Exposure time   | : 48 h  |
| <u>Compone</u><br>Cellulose   | ):                       | Exposure time   |   |
| <u>Compone</u><br>Cellulose   | e:<br>o fish             | Exposure time   | : 48 h  |
| Compone<br>Cellulose<br>Toxicity to<br>Diclazuri  | e:<br>o fish<br>I:       | Exposure time<br>Remarks: Bas   | : 48 h<br>ed on data from similar materials   |
| Compone<br>Cellulose<br>Toxicity to   | e:<br>o fish<br>I:       | Exposure time<br>Remarks: Bas   | : 48 h<br>ed on data from similar materials<br>s macrochirus (Bluegill sunfish)): 0.58 mg/l |





| ersion<br>.12         | Revision Date: 28.09.2024                                       | -  | OS Number:<br>93397-00013            | Date of last issue: 06.04.2024<br>Date of first issue: 14.08.2020                   |
|-----------------------|---|----|--------------------------------------|---|
|                       |   |    |                                      |   |
|                       | ity to daphnia and other<br>tic invertebrates                   | :  | Exposure time: 48                    | agna (Water flea)): > 0.63 mg/l<br>3 h<br>city at the limit of solubility           |
| Toxic<br>plants       | ity to algae/aquatic<br>s                                       | :  | Exposure time: 72                    | m capricornutum (green algae)): > 1.1 mg/<br>2 h<br>city at the limit of solubility |
|                       |   |    | Exposure time: 72                    | um capricornutum (green algae)): 1.1 mg/l<br>2 h<br>city at the limit of solubility |
|                       | ity to daphnia and other<br>tic invertebrates (Chron-<br>icity) | :  | Exposure time: 2'                    | nagna (Water flea)): 0.16 mg/l<br>l d<br>city at the limit of solubility            |
| Persi                 | stence and degradabili  | ty |                                      |   |
| Com                   | ponents:  |    |                                      |   |
| <b>Cellu</b><br>Biode | <b>lose:</b><br>egradability                                    | :  | Result: Readily bi                   | odegradable.  |
| Bioa                  | ccumulative potential   |    |                                      |   |
| Com                   | ponents:  |    |                                      |   |
| Dicla                 | zuril:  |    |                                      |   |
| Bioac                 | cumulation  | :  | Species: Lepomis<br>Bioconcentration | macrochirus (Bluegill sunfish)<br>factor (BCF): 160                                 |
|                       | ion coefficient: n-<br>ol/water                                 | :  | log Pow: 4.5<br>pH: 7                |   |
|                       | <b>lity in soil</b><br>ata available                            |    |                                      |   |
| Othe                  | r adverse effects   |    |                                      |   |

Section 13: Disposal considerations

| Disposal methods       |   |  |
|------------------------|---|--|
| Waste from residues    | : | Do not dispose of waste into sewer.  |
|                        |   | Dispose of in accordance with local regulations.   |
| Contaminated packaging | : | Empty containers should be taken to an approved waste han-<br>dling site for recycling or disposal.<br>If not otherwise specified: Dispose of as unused product. |



| Version | Revision Date: | SDS Number:   | Date of last issue: 06.04.2024  |
|---------|----------------|---------------|---------------------------------|
| 1.12    | 28.09.2024     | 6193397-00013 | Date of first issue: 14.08.2020 |

#### **Section 14: Transport information**

### **International Regulations**

| UNRTDG<br>UN number<br>UN proper shipping name<br>Transport hazard class(es)<br>Subsidiary risk<br>Packing group<br>Labels<br>Environmentally hazardous  | Not applicable<br>Not applicable<br>Not applicable<br>Not applicable<br>Not applicable<br>Not applicable<br>no                               |
|--|--|
| IATA-DGR<br>UN/ID No.<br>UN proper shipping name<br>Transport hazard class(es)<br>Subsidiary risk<br>Packing group<br>Labels<br>Packing instruction (cargo<br>aircraft)<br>Packing instruction (passen-<br>ger aircraft) | Not applicable<br>Not applicable<br>Not applicable<br>Not applicable<br>Not applicable<br>Not applicable<br>Not applicable                   |
| IMDG-Code<br>UN number<br>UN proper shipping name<br>Transport hazard class(es)<br>Subsidiary risk<br>Packing group<br>Labels<br>EmS Code<br>Marine pollutant  | Not applicable<br>Not applicable<br>Not applicable<br>Not applicable<br>Not applicable<br>Not applicable<br>Not applicable<br>Not applicable |

### Transport in bulk according to IMO instruments

Not applicable for product as supplied.

### Special precautions for user

Not applicable

### Section 15: Regulatory information

### Safety, health and environmental regulations specific for the product in question

Workplace Safety and Health Act and Workplace Safety and Health (General Provisions) Regulations: This product is subjected to the SDS, labelling, PEL and other requirements in the Act/Regulations. Environmental Protection and Management Act and : Not applicable Environmental Protection and Management (Hazardous Substances) Regulations

Fire Safety (Petroleum and Flammable Materials) : Not applicable





| Versic<br>1.12 |                                  | evision Date:<br>9.09.2024      |          | 93 Number:<br>93397-00013              | Date of last issue: 06.04.2024<br>Date of first issue: 14.08.2020   |  |  |  |
|----------------|----------------------------------|---------------------------------|----------|--|---|--|--|--|
| Regulations    |                                  |                                 |          |  |   |  |  |  |
|                | <b>Γhe comp</b><br>∖ICS          | onents of this pro              | duc<br>: | et are reported in t<br>not determined | he following inventories:   |  |  |  |
| C              | DSL                              |                                 | :        | not determined                         |   |  |  |  |
| I              | ECSC                             |                                 | :        | not determined                         |   |  |  |  |
| Sectio         | on 16: Ot                        | her information                 |          |  |   |  |  |  |
| F              | Revision D                       | ate                             | :        | 28.09.2024                             |   |  |  |  |
| F              | Further in                       | formation                       |          |  |   |  |  |  |
| С              |                                  | key data used to<br>Safety Data | :        |  | data, data from raw material SDSs, OECD<br>arch results and European Chemicals Agen-<br>apa.eu/                       |  |  |  |
| C              | Date forma                       | at                              | :        | dd.mm.yyyy                             |   |  |  |  |
| F              | Full text of other abbreviations |                                 |          |  |   |  |  |  |
|                | ACGIH<br>SG OEL                  |                                 | :        | Singapore. Workp                       | eshold Limit Values (TLV)<br>lace Safety and Health (General Provisions)<br>t Schedule Permissible Exposure Limits of |  |  |  |
|                | ACGIH / T<br>SG OEL / I          | WA<br>PEL (long term)           | :        | 8-hour, time-weig<br>Permissible Expo  | hted average<br>sure Level (PEL) Long Term  |  |  |  |

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR -Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response: ELx - Loading rate associated with x% response: EmS - Emergency Schedule: ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substanc-

### SAFETY DATA SHEET



### Diclazuril (0.25%) Formulation

| Version | Revision Date: | SDS Number:   | Date of last issue: 06.04.2024  |
|---------|----------------|---------------|---------------------------------|
| 1.12    | 28.09.2024     | 6193397-00013 | Date of first issue: 14.08.2020 |

es; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

SG / EN