

| Vers<br>3.1 | sion    | Revision Date:<br>26.09.2023                       |       | S Number:<br>)11-00023                                   | Date of last issue: 20.03.2023<br>Date of first issue: 17.10.2014 |
|-------------|---------|--|-------|--|---|
|             |         |  |       |  |   |
| Sec         | tion 1: | dentification                                      |       |  |   |
|             | Produc  | t name   | :     | Montelukast Gra  | nules Formulation   |
|             | Manuf   | acturer or supplier's c                            | letai | ils  |   |
|             | Compa   | iny  | :     | Organon & Co.  |   |
|             | Addres  | S  | :     | 30 Hudson Stree<br>Jersey City, New                      | et, 33nd floor<br>v Jersey, U.S.A 07302                           |
|             | Teleph  | one  | :     | +1-551-430-6000  | )   |
|             | Emerg   | ency telephone number                              | r:    | +1-215-631-6999  | 9   |
|             | E-mail  | address  | :     | EHSSTEWARD   | @organon.com  |
|             | Recom   | mended use of the cl<br>mended use<br>tions on use |       | ical and restriction<br>Pharmaceutical<br>Not applicable | ons on use  |

### Section 2: Hazard identification

## **GHS Classification**

Not a hazardous substance or mixture.

## **GHS** label elements

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

### Other hazards which do not result in classification

Dust contact with the eyes can lead to mechanical irritation. Contact with dust can cause mechanical irritation or drying of the skin. May form explosive dust-air mixture during processing, handling or other means.

### Section 3: Composition/information on ingredients

Substance / Mixture : Mixture

Components

| Chemical name | CAS-No.     | Concentration (% w/w) |
|---------------|-------------|-----------------------|
| Montelukast   | 151767-02-1 | >= 0.1 -< 1           |

#### Section 4: First-aid measures

General advice

: In the case of accident or if you feel unwell, seek medical ad-



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|--------------------|---|---|--|--|--|--|--|
|                    |   |   | vice immediately.<br>When symptoms<br>advice.  | persist or in all cases of doubt seek medical  |  |  |  |
| lf in              | If inhaled  |   | If inhaled, remove   |  |  |  |  |
| In c               | ase of skin contact   | : | Wash with water a  |  |  |  |  |
| In c               | ase of eye contact  | : | If in eyes, rinse w  | ition if symptoms occur.<br>ell with water.<br>ition if irritation develops and persists.  |  |  |  |
| If sv              | vallowed  | : | If swallowed, DO Get medical atten   | NOT induce vomiting.<br>tion if symptoms occur.  |  |  |  |
| and<br>dela<br>Pro | Most important symptoms<br>and effects, both acute and<br>delayed<br>Protection of first-aiders<br>Notes to physician |   | <ul> <li>Rinse mouth thoroughly with water.</li> <li>Contact with dust can cause mechanical irritation or drying of the skin.</li> <li>Dust contact with the eyes can lead to mechanical irritation.</li> <li>No special precautions are necessary for first aid responders.</li> <li>Treat symptomatically and supportively.</li> </ul> |  |  |  |  |
| Section            | Section 5: Fire-fighting measure<br>Suitable extinguishing media  |   |  |  |  |  |  |
|                    |   |   | Water spray<br>Alcohol-resistant<br>Carbon dioxide (C<br>Dry chemical  |  |  |  |  |
| med                |   | : | None known.  |  |  |  |  |
| Spe<br>figh        | cific hazards during fire-<br>ting  | : | concentrations, and potential dust exp   | dust; fine dust dispersed in air in sufficient<br>nd in the presence of an ignition source is a<br>plosion hazard.<br>Doustion products may be a hazard to health. |  |  |  |
| Haz<br>ucts        | ardous combustion prod-   | : | Carbon oxides  |  |  |  |  |
| Spe<br>ods         | cific extinguishing meth-   | : | cumstances and t<br>Use water spray t  | g measures that are appropriate to local cir-<br>the surrounding environment.<br>to cool unopened containers.<br>ged containers from fire area if it is safe to do |  |  |  |
|                    | cial protective equipment<br>irefighters  | : | Wear self-contain essary.  | ed breathing apparatus for firefighting if nec-  |  |  |  |

## Section 6: Accidental release measures

| Personal precautions, protec-<br>tive equipment and emer-<br>gency procedures | : | Follow safe handling advice (see section 7) and personal pro-<br>tective equipment recommendations (see section 8). |
|---|---|---|
| Environmental precautions   | : | Avoid release to the environment.<br>Prevent further leakage or spillage if safe to do so.                          |



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|                | ods and materials for<br>ainment and cleaning up             | Local authoric<br>cannot be con-<br>: Sweep up or<br>tainer for disp<br>Avoid disperse<br>with comprese<br>Dust deposit<br>es, as these<br>leased into the<br>Local or nation<br>posal of this<br>employed in<br>mine which r | vacuum up spillage and collect in suitable con-<br>posal.<br>sal of dust in the air (i.e., clearing dust surfaces  |
| Section 7      | : Handling and storage                                       |   |  |
| Loca           | nical measures<br>I/Total ventilation<br>ce on safe handling | causing an e<br>Provide adec<br>and bonding   | uate precautions, such as electrical grounding<br>or inert atmospheres.<br>n adequate ventilation.   |
|                |  | Handle in ac<br>practice, bas<br>sessment<br>Minimize dus<br>Keep contair<br>Keep away fi<br>Take precau  | cordance with good industrial hygiene and safety<br>ed on the results of the workplace exposure as-<br>st generation and accumulation.<br>There closed when not in use.<br>From heat and sources of ignition.<br>tionary measures against static discharges.<br>prevent spills, waste and minimize release to the  |
| Hygie          | ene measures   | : If exposure to<br>flushing syste<br>place.<br>When using<br>Wash contar<br>The effective<br>engineering<br>appropriate of<br>industrial hyg   | o chemical is likely during typical use, provide eye<br>ems and safety showers close to the working<br>do not eat, drink or smoke.<br>ninated clothing before re-use.<br>operation of a facility should include review of<br>controls, proper personal protective equipment,<br>degowning and decontamination procedures,<br>giene monitoring, medical surveillance and the<br>istrative controls. |
| Conc           | litions for safe storage                                     | : Keep in prop<br>Store in acco   | erly labelled containers.<br>ordance with the particular national regulations.   |
| Mate           | rials to avoid   |   | with the following product types:  |



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#### Section 8: Exposure controls/personal protection

## Components with workplace control parameters

| Components  | CAS-No.     | Value type<br>(Form of<br>exposure) | Control parame-<br>ters / Permissible<br>concentration | Basis    |
|-------------|-------------|-------------------------------------|--|----------|
| Montelukast | 151767-02-1 | TWA                                 | 40 µg/m3 (OEB 3)                                       | Internal |
|             |             | Wipe limit                          | 400 µg/100 cm <sup>2</sup>                             | Internal |

| Engineering measures           | <ul> <li>All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment.</li> <li>Containment technologies suitable for controlling compounds are required to control at source and to prevent migration of the compound to uncontrolled areas (e.g., open-face containment devices).</li> <li>Minimize open handling.</li> </ul> |
|--------------------------------|---|
| Personal protective equipmer   | nt  |
|                                | <ul> <li>If adequate local exhaust ventilation is not available or expo-<br/>sure assessment demonstrates exposures outside the rec-<br/>ommended guidelines, use respiratory protection.</li> </ul>  |
| Filter type<br>Hand protection | Particulates type   |
| Hand protection                |   |
| Material                       | Chemical-resistant gloves   |
| Remarks                        | Consider double gloving.  |
| Eye protection                 | <ul> <li>Wear safety glasses with side shields or goggles.</li> <li>If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles.</li> <li>Wear a faceshield or other full face protection if there is a potential for direct contact to the face with dusts, mists, or aerosols.</li> </ul>  |
| Skin and body protection       | <ul> <li>Work uniform or laboratory coat.</li> <li>Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces.</li> <li>Use appropriate degowning techniques to remove potentially contaminated clothing.</li> </ul>   |

## Section 9: Physical and chemical properties

| Appearance      | : | powder            |
|-----------------|---|-------------------|
| Colour          | : | No data available |
| Odour           | : | No data available |
| Odour Threshold | : | No data available |

# SAFETY DATA SHEET



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|                  |   |   |                                  |   |
| pН               |   | : | No data available                | 9   |
| Meltin           | ng point/freezing point                     | : | No data available                | 9   |
| Initial<br>range | boiling point and boiling                   | : | No data available                | 2   |
| Flash            | point                                       | : | Not applicable                   |   |
| Evapo            | oration rate                                | : | No data available                | 9   |
| Flamr            | nability (solid, gas)                       | : | May form explosiding or other me | ive dust-air mixture during processing, han<br>eans.              |
| Flamr            | mability (liquids)                          | : | No data available                | 9   |
|                  | r explosion limit / Upper<br>nability limit | : | No data available                | 9   |
|                  | r explosion limit / Lower<br>nability limit | : | No data available                | 9   |
| Vapou            | ur pressure                                 | : | No data available                | 9   |
| Relati           | ve vapour density                           | : | No data available                | 9   |
| Relati           | ve density                                  | : | No data available                | 9   |
| Densi            | ity   | : | No data available                | 9   |
|                  | ility(ies)<br>ater solubility               | : | No data available                | 9   |
|                  | ion coefficient: n-<br>ol/water             | : | No data available                | 9   |
|                  | ignition temperature                        | : | No data available                | 9   |
| Decor            | mposition temperature                       | : | No data available                | 9   |
| Visco<br>Vis     | sity<br>scosity, kinematic                  | : | No data available                | 9   |
| Explo            | sive properties                             | : | Not explosive                    |   |
| Oxidiz           | zing properties                             | : | The substance o                  | r mixture is not classified as oxidizing.                         |
| Molec            | cular weight                                | : | No data available                | 9   |
| Partic           | le size                                     | : | No data available                | e   |



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### Section 10: Stability and reactivity

| Reactivity<br>Chemical stability<br>Possibility of hazardous reac-<br>tions | : | Stable under normal conditions.                                    |
|---|---|--|
| Conditions to avoid   | : | Heat, flames and sparks.<br>Avoid dust formation.                  |
| Incompatible materials<br>Hazardous decomposition<br>products               |   | Oxidizing agents<br>No hazardous decomposition products are known. |

#### Section 11: Toxicological information

| Exposure routes | : Inhalation<br>Skin contact |
|-----------------|------------------------------|
|                 | Ingestion<br>Eye contact     |

#### Acute toxicity

Not classified based on available information.

#### Components:

#### Montelukast:

| Acute oral toxicity       | : | LD50 (Rat): > 5,000 mg/kg   |
|---------------------------|---|-----------------------------|
|                           |   | LD50 (Mouse): > 5,000 mg/kg |
| Acute inhalation toxicity | : | Remarks: No data available  |

Acute dermal toxicity : Remarks: No data available

### Skin corrosion/irritation

Not classified based on available information.

#### **Components:**

#### Montelukast:

| Species | : | Rabbit               |
|---------|---|----------------------|
| Result  | : | Mild skin irritation |

### Serious eye damage/eye irritation

Not classified based on available information.

### **Components:**

#### Montelukast:

| Species | : | Rabbit            |
|---------|---|-------------------|
| Result  | : | Severe irritation |



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|                     |   |   |  |
|                     |   |   |  |
| Resp                | iratory or skin sens                          | itisation   |  |
| •                   | sensitisation<br>lassified based on ava       | ailable information.  |  |
| -                   | iratory sensitisation                         |   |  |
| Com                 | oonents:                                      |   |  |
| <b>Mont</b><br>Rema | <b>elukast:</b><br>arks                       | : No data availa  | ble  |
| Chro                | nic toxicity                                  |   |  |
|                     | a cell mutagenicity<br>lassified based on ava | ailable information.  |  |
| Prod                | uct:  |   |  |
| Geno                | toxicity in vitro                             | : Test Type: Ba<br>Result: negati   | cterial reverse mutation assay (AMES)<br>ve                                  |
|                     |   |   | vitro mammalian cell gene mutation test<br>Chinese hamster fibroblasts<br>ve |
|                     |   |   | romosomal aberration<br>Chinese hamster ovary cells<br>ve                    |
|                     |   |   | aline elution assay<br>at hepatocytes<br>ve                                  |
| Geno                | toxicity in vivo                              | : Test Type: Ch<br>Species: Mous<br>Cell type: Bon<br>Application Ro<br>Result: negativ | e marrow<br>oute: Oral   |
| <u>Com</u>          | oonents:                                      |   |  |
|                     | elukast:                                      |   |  |
| Geno                | toxicity in vitro                             | : Test Type: Ba<br>Result: negati   | cterial reverse mutation assay (AMES)<br>ve                                  |
|                     |   |   | vitro mammalian cell gene mutation test<br>Chinese hamster fibroblasts<br>ve |
|                     |   | Test Type: Ch   | romosomal aberration   |
|                     |   | 7 / 14  |  |



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|                |                              |                                    |   |
|                |                              |                                    |   |
|                |                              | Test system: C<br>Result: negativ  | Chinese hamster ovary cells<br>/e                                 |
|                |                              |                                    | aline elution assay   |
|                |                              | Test system: ra<br>Result: negativ |   |
| Geno           | toxicity in vivo             |                                    | romosomal aberration  |
|                |                              | Species: Mous                      |   |
|                |                              | Cell type: Bone<br>Application Ro  |   |
|                |                              | Result: negativ                    |   |
| Carci          | nogenicity                   |                                    |   |
|                | assified based on av         | ailable information.               |   |
| <u>Produ</u>   |                              | _                                  |   |
| Speci          |                              | : Rat                              |   |
|                | cation Route<br>sure time    | : Oral<br>: 2 Years                |   |
| Dose           |                              | : 200 mg/kg boo                    | ly weight   |
| Resul          | lt                           | : negative                         | y worght  |
| Speci          |                              | : Mouse                            |   |
|                | cation Route                 | : Oral                             |   |
| Dose           | sure time                    | : 92 weeks<br>: 100 mg/kg boo      | ly weight   |
| Resul          | t                            | : negative                         | y weight  |
| Com            | oonents:                     |                                    |   |
| Monte          | elukast:                     |                                    |   |
| Speci          | es                           | : Rat                              |   |
|                | cation Route                 | : Oral                             |   |
|                | sure time                    | : 2 Years                          |   |
| Resul          |                              | : negative                         |   |
| Speci          |                              | : Mouse                            |   |
|                | cation Route                 | : Oral                             |   |
| Expos<br>Resul | sure time                    | : 92 weeks<br>: negative           |   |
| Resul          | it.                          | . negative                         |   |
| -              | oductive toxicity            |                                    |   |
| Not cl         | assified based on av         | ailable information.               |   |
| Produ          | uct:                         |                                    |   |
| Effect         | s on fertility               | : Test Type: Fer                   |   |
|                |                              | Species: Rat, r                    |   |
|                |                              | Application Ro                     | ute: Oral<br>L Parent: 800 mg/kg body weight                      |
|                |                              |                                    | L Farent. OUU MU/KU DOUV WEIQNT                                   |



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|                |   | Test Type: Fer<br>Species: Rat, f<br>Application Ro<br>Fertility: LOAE<br>Symptoms: Re | iemale<br>ute: Oral<br>L Parent: 200 mg/kg body weight   |
| Com            | nponents:   |  |  |
| Mon            | itelukast:  |  |  |
| Effeo          | cts on fertility  | Result: Animal   | male<br>ute: Oral<br>EL: 800 mg/kg body weight<br>testing did not show any effects on fertility. |
|                |   | Test Type: Fer<br>Species: Rat, 1<br>Application Ro<br>Fertility: LOAE<br>Symptoms: Re | iemale<br>ute: Oral<br>L: 200 mg/kg body weight  |
|                |   | Test Type: Fer<br>Species: Rat, f<br>Application Ro<br>Fertility: NOAE<br>Symptoms: Re | iemale<br>ute: Oral<br>EL: 100 mg/kg body weight   |
|                | <b>PT - single exposure</b><br>classified based on avail  | lable information.   |  |
|                | <b>T - repeated exposure</b><br>classified based on avail | lable information.   |  |
| Rep            | eated dose toxicity                                       |  |  |
| Com            | nponents:   |  |  |
| Mon            | telukast:   |  |  |
| Expo           |   | : Monkey, male<br>: 150 - 300 mg/ł<br>: Oral<br>: 53 Weeks<br>: No significant :       |  |
| Expo           |   | : Rat<br>: 50 mg/kg<br>: Oral<br>: 53 Weeks<br>: No significant :                      | adverse effects were reported  |
| Spec           | cies  | : Mouse  |  |



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|                 |  |       |   |   |
|                 | cation Route<br>sure time                    | :     | 50 mg/kg<br>Oral<br>14 Weeks<br>No significant ac | lverse effects were reported  |
| -               | ration toxicity<br>lassified based on avail  | lable | information.                                      |   |
| Expe            | rience with human ex                         | posi  | ıre   |   |
|                 | contact<br>contact                           | :     |   |   |
| Com             | ponents:                                     |       |   |   |
| Skin o          | elukast:<br>contact<br>contact<br>tion       | :     |   |   |
| ection 1        | 2: Ecological information                    | tion  |   |   |
| Ecoto           | oxicity                                      |       |   |   |
| Com             | ponents:                                     |       |   |   |
| Mont            | elukast:                                     |       |   |   |
| Toxic           | ity to fish                                  | :     | Exposure time: 9<br>Method: OECD                  | es promelas (fathead minnow)): > 0.0778 mg<br>96 h<br>Test Guideline 203<br>dicity at the limit of solubility |
|                 | ity to daphnia and othe<br>tic invertebrates | r:    | Exposure time: 4<br>Method: OECD                  | magna (Water flea)): > 0.0675 mg/l<br>ł8 h<br>Test Guideline 202<br>kicity at the limit of solubility         |
| Toxic<br>plants | ity to algae/aquatic<br>S                    | :     | NOEC (Pseudok<br>mg/l<br>Exposure time: 7         | tirchneriella subcapitata (green algae)): 100<br>72 h   |

Method: OECD Test Guideline 201

Remarks: No toxicity at the limit of solubility



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|   |   |               |  |  |
| Toxicit<br>icity)   | ty to fish (Chronic tox-  | :             | Exposure time: 3<br>Method: OECD 1                       | lles promelas (fathead minnow)): 0.073 mg<br>2 d<br>Fest Guideline 210<br>icity at the limit of solubility |
|   |   |               | mg/l<br>Exposure time: 7                                 | lon variegatus (sheepshead minnow)): 0.03<br>′ d<br>icity at the limit of solubility                       |
|   | ty to daphnia and other<br>c invertebrates (Chron-<br>city)   | :             | Exposure time: 2   | magna (Water flea)): 0.23 mg/l<br>1 d<br>icity at the limit of solubility                                  |
| Toxicit   | ty to microorganisms  | :             |  | 5 h  |
|   |   |               |  |  |
| Persis  | stence and degradabil   | ity           |  |  |
|   | stence and degradabil<br>conents:   | ity           |  |  |
| <u>Comp</u><br>Monte  | _   | ity<br>:      | Result: not rapid<br>Biodegradation:<br>Exposure time: 2 | 0%   |
| <u>Comp</u><br>Monte<br>Biodeç  | oonents:<br>elukast:  | ity<br>:      | Biodegradation:  | 0 %<br>8 d   |
| <u>Comp</u><br>Monte<br>Biodeç<br>Stabilit  | oonents:<br>elukast:<br>gradability   | ity<br>:      | Biodegradation:<br>Exposure time: 2                      | 0 %<br>8 d   |
| Comp<br>Monte<br>Biodeo<br>Stabilit<br>Bioace   | oonents:<br>elukast:<br>gradability<br>ty in water  | ity<br>:      | Biodegradation:<br>Exposure time: 2                      | 0 %<br>8 d   |
| Comp<br>Monte<br>Biodeg<br>Stabilit<br>Bioace<br>Comp<br>Monte<br>Partitio                      | eonents:<br>elukast:<br>gradability<br>ty in water<br>cumulative potential                                    | ity<br>:<br>: | Biodegradation:<br>Exposure time: 2                      | 0 %<br>8 d   |
| Comp<br>Monte<br>Biodeg<br>Stabilit<br>Bioacc<br>Comp<br>Monte<br>Partitio<br>octance<br>Mobili | elukast:<br>gradability<br>ty in water<br>cumulative potential<br>conents:<br>elukast:<br>con coefficient: n- | ity<br>:      | Biodegradation:<br>Exposure time: 2<br>Hydrolysis: 50 %  | 0 %<br>8 d   |

| 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- |



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dling site for recycling or disposal. If not otherwise specified: Dispose of as unused product.

## Section 14: Transport information

#### **International Regulations**

| UNRTDG  |   |                |
|---|---|----------------|
| UN number                                     | : | Not applicable |
| Proper shipping name                          | : | Not applicable |
| Class   | : | Not applicable |
| Subsidiary risk                               | : | Not applicable |
| Packing group                                 | : | Not applicable |
| Labels  | : | Not applicable |
| IATA-DGR                                      |   |                |
| UN/ID No.                                     | : | Not applicable |
| Proper shipping name                          | : | Not applicable |
| Class   | : | Not applicable |
| Subsidiary risk                               | : | Not applicable |
| Packing group                                 | : | Not applicable |
| Labels  | : | Not applicable |
| Packing instruction (cargo aircraft)          | : | Not applicable |
| Packing instruction (passen-<br>ger aircraft) | : | Not applicable |
| IMDG-Code                                     |   |                |
| UN number                                     | : | Not applicable |
| Proper shipping name                          | : | Not applicable |
| Class   | : | Not applicable |
| Subsidiary risk                               | : | Not applicable |
| Packing group                                 | : | Not applicable |
| Labels  | : | Not applicable |
| EmS Code                                      | : | Not applicable |
| Marine pollutant                              | : | Not applicable |

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

### **National Regulations**

# NZS 5433

| UN number            | : Not applicable |
|----------------------|------------------|
| Proper shipping name | : Not applicable |
| Class                | : Not applicable |
| Subsidiary risk      | : Not applicable |
| Packing group        | : Not applicable |
| Labels               | : Not applicable |
| Hazchem Code         | : Not applicable |

Special precautions for user

Not applicable



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### Section 15: Regulatory information

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

#### **HSNO Approval Number**

Not applicable

#### **HSW Controls**

Certified handler certificate not required. Tracking hazardous substance not required. Refer to the Health and Safety at Work (Hazardous Substances) Regulations 2017, for further information.

#### The components of this product are reported in the following inventories:

| AICS  | : | not determined |
|-------|---|----------------|
| DSL   | : | not determined |
| IECSC | : | not determined |

#### Section 16: Other information

| Revision Date   | : | 26.09.2023   |
|---|---|--|
| Further information   |   |  |
| Sources of key data used to<br>compile the Safety Data<br>Sheet | : | Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, http://echa.europa.eu/ |
| Date format   | : | dd.mm.yyyy   |

#### Full text of other abbreviations

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;

# SAFETY DATA SHEET



# Montelukast Granules Formulation

| Version | Revision Date: | SDS Number: | Date of last issue: 20.03.2023  |
|---------|----------------|-------------|---------------------------------|
| 3.1     | 26.09.2023     | 23011-00023 | Date of first issue: 17.10.2014 |

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 Substances; (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.

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