



| Vers<br>4.2 | sion                                   | Revision Date:<br>06.04.2024 |   | S Number:<br>9235-00016                                       | Date of last issue: 30.09.2023<br>Date of first issue: 11.07.2017 |
|-------------|--|------------------------------|---|---|---|
| SEC         | <b>TION 1</b><br>Produc                | : IDENTIFICATION<br>t name   | : | Amitraz (5%) For  | mulation  |
|             | Manufacturer or supplier's det         |                              |   | ls  |   |
|             | Company                                |                              | : | Intervet Australia Pty Limited (trading as MSD Animal Health) |   |
|             | Address                                |                              | : | 91-105 Harpin St<br>Bendigo 3550, V                           |   |
|             | Telepho                                | one                          | : | 1 800 033 461   |   |
|             | Emergency telephone number             |                              | : | Poisons Informat  | ion Centre: Phone 13 11 26  |
|             | E-mail a                               | address                      | : | EHSDATASTEW   | ARD@msd.com   |
|             | Recommended use of the chemic          |                              |   | cal and restrictio  | ons on use  |
|             | Recommended use<br>Restrictions on use |                              | : | Veterinary produc<br>Not applicable                           | ct  |

### SECTION 2. HAZARDS IDENTIFICATION

| GHS Classification<br>Flammable liquids            | : | Category 3  |
|--|---|---|
| Skin corrosion/irritation                          | : | Category 2  |
| Serious eye damage/eye irri-<br>tation             | : | Category 2A   |
| Germ cell mutagenicity                             | : | Category 1B   |
| Carcinogenicity                                    | : | Category 1B   |
| Reproductive toxicity                              | : | Category 1B   |
| Specific target organ toxicity - single exposure   | : | Category 3  |
| Specific target organ toxicity - repeated exposure | : | Category 2 (Kidney, Heart, Gastrointestinal tract, Lymph nodes) |
| Aspiration hazard                                  | : | Category 1  |

### GHS label elements



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|-------------------|------------------------------|---|--|
| Hazar             | rd pictograms                |   |  |
| Signal word       |                              | : Danger  | $\mathbf{v}$   |
| Hazard statements |                              | H304 May be f<br>H315 Causes<br>H319 Causes<br>H336 May cau<br>H340 May cau<br>H350 May cau<br>H360F May da<br>H373 May cau   | serious eye irritation.<br>Ise drowsiness or dizziness.<br>Ise genetic defects.<br>Ise cancer.   |
| Preca             | utionary statements          | Prevention:   |  |
|                   |                              | P202 Do not h<br>and understoo<br>P210 Keep aw<br>and other ignit<br>P233 Keep co<br>P241 Use exp<br>ment.<br>P242 Use non<br>P243 Take act<br>P260 Do not b<br>P264 Wash sk<br>P271 Use only | vay from heat, hot surfaces, sparks, open flame<br>ion sources. No smoking.<br>ntainer tightly closed.<br>losion-proof electrical/ ventilating/ lighting equi<br>-sparking tools.<br>tion to prevent static discharges.<br>reathe mist or vapours.<br>tin thoroughly after handling.<br>v outdoors or in a well-ventilated area.<br>otective gloves/ protective clothing/ eye protec-                          |
|                   |                              | Response:   |  |
|                   |                              | CENTER/ doc<br>P303 + P361 -<br>Iy all contamin<br>P304 + P340 -<br>and keep com<br>doctor if you fe<br>P305 + P351 -<br>for several min<br>easy to do. Co<br>P308 + P313 I<br>attention.     | <ul> <li>P353 IF ON SKIN (or hair): Take off immedia<br/>ated clothing. Rinse skin with water.</li> <li>P312 IF INHALED: Remove person to fresh a<br/>fortable for breathing. Call a POISON CENTER<br/>bel unwell.</li> <li>P338 IF IN EYES: Rinse cautiously with water<br/>nutes. Remove contact lenses, if present and<br/>ontinue rinsing.</li> <li>F exposed or concerned: Get medical advice/</li> </ul> |
|                   |                              | P332 + P313 I<br>tion.  | induce vomiting.<br>f skin irritation occurs: Get medical advice/ atte<br>f eye irritation persists: Get medical advice/ at-   |
|                   |                              |   |  |





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#### tention.

#### Storage:

P403 + P235 Store in a well-ventilated place. Keep cool. P405 Store locked up.

#### Disposal:

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

#### Other hazards which do not result in classification

Vapours may form explosive mixture with air.

#### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Substance / Mixture : Mixture

#### Components

| Chemical name                               | CAS-No.     | Concentration (% w/w) |
|---|-------------|-----------------------|
| Solvent naphtha (petroleum), light aromatic | 64742-95-6  | >= 60 -<= 100         |
| 4-Nonylphenol, branched, ethoxylated        | 127087-87-0 | >= 10 -< 30           |
| amitraz (ISO)                               | 33089-61-1  | < 10                  |
| Bis(2,6-diisopropylphenyl)carbodiimide      | 2162-74-5   | >= 1 -< 10            |

#### Alternative CAS Numbers for some regions

| Chemical name                        | Alternative CAS Number(s) |
|--------------------------------------|---------------------------|
| 4-Nonylphenol, branched, ethoxylated | 68412-54-4                |

#### **SECTION 4. FIRST AID MEASURES**

| General advice          | In the case of accident or if you feel unvice immediately.<br>When symptoms persist or in all cases advice.   |                |
|-------------------------|---|----------------|
| If inhaled              | If inhaled, remove to fresh air.<br>Get medical attention.  |                |
| In case of skin contact | In case of contact, immediately flush sk<br>for at least 15 minutes while removing of<br>and shoes.<br>Get medical attention.<br>Wash clothing before reuse.<br>Thoroughly clean shoes before reuse.          |                |
| In case of eye contact  | In case of contact, immediately flush ey<br>for at least 15 minutes.<br>If easy to do, remove contact lens, if wo<br>Get medical attention.   |                |
| If swallowed            | If swallowed, DO NOT induce vomiting.<br>If vomiting occurs have person lean for<br>Call a physician or poison control centre<br>Rinse mouth thoroughly with water.<br>Never give anything by mouth to an unc | e immediately. |

### SAFETY DATA SHEET



# Amitraz (5%) Formulation

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|   |                                  |  |  |   |  |
| Most important symptoms<br>and effects, both acute and<br>delayed |                                  | :  | May be fatal if swallowed and enters airways.<br>Causes skin irritation.<br>Causes serious eye irritation.<br>May cause drowsiness or dizziness.<br>May cause genetic defects.<br>May cause cancer.<br>May damage fertility.<br>May cause damage to organs through prolonged or repeated<br>exposure |   |  |
| Protection of first-aiders  |                                  | :  | exposure.<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).   |   |  |
|   |                                  | to physician                                 | :  |   | cally and supportively.  |
| SEC   | SECTION 5. FIREFIGHTING MEASURES |  |  |   |  |
|   |                                  | e extinguishing media<br>able extinguishing  | :  | Water spray<br>Alcohol-resistant<br>Carbon dioxide (C<br>Dry chemical<br>High volume wate | 202)   |
|   | media                            | c hazards during fire-                       | :  | -   | d water stream as it may scatter and spread  |
|   | fighting                         |  |  | fire.<br>Flash back possik<br>Vapours may forn  | ble over considerable distance.<br>n explosive mixtures with air.<br>bustion products may be a hazard to health.   |
|   | Hazard<br>ucts                   | lous combustion prod-                        | :  | Carbon oxides<br>Nitrogen oxides (I   | NOx)   |
|   | Specifi<br>ods                   | c extinguishing meth-                        | :  | cumstances and t<br>Use water spray t   | measures that are appropriate to local cir-<br>he surrounding environment.<br>o cool unopened containers.<br>ged containers from fire area if it is safe to do |
|   | for firef                        | l protective equipment<br>ighters<br>em Code | :  | In the event of fire  | e, wear self-contained breathing apparatus.<br>tective equipment.  |

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

| Personal precautions, protec-<br>tive equipment and emer-<br>gency procedures | : | Remove all sources of ignition.<br>Use personal protective equipment.<br>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.<br>Prevent spreading over a wide area (e.g. by containment or oil<br>barriers).<br>Retain and dispose of contaminated wash water. |



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|---|---|---|---|
|   |   | Local authoritic cannot be con  | es should be advised if significant spillages<br>tained.  |
| Methods and materials for containment and cleaning up |   | Soak up with in<br>Suppress (kno<br>spray jet.<br>For large spills<br>ment to keep r<br>be pumped, st<br>Clean up rema<br>bent.<br>Local or natior<br>posal of this m<br>employed in th<br>mine which reg<br>Sections 13 ar | tools should be used.<br>nert absorbent material.<br>ack down) gases/vapours/mists with a water<br>s, provide dyking or other appropriate contain-<br>material from spreading. If dyked material can<br>ore recovered material in appropriate container.<br>aining materials from spill with suitable absor-<br>nal regulations may apply to releases and dis-<br>naterial, as well as those materials and items<br>ne cleanup of releases. You will need to deter-<br>gulations are applicable.<br>nd 15 of this SDS provide information regarding<br>r national requirements. |
| SECTIO  | ON 7. HANDLING AND ST                     | ORAGE   |   |
|   | chnical measures<br>cal/Total ventilation | CONTROLS/F  | ng measures under EXPOSURE<br>PERSONAL PROTECTION section.<br>ntilation is unavailable, use with local exhaust  |

|   | Use explosion-proof electrical, ventilating and lighting equip- |
|---|---|
|   | ment.   |
| : | Do not get on skin or clothing.                                 |

|                         |   | ment.  |
|-------------------------|---|--|
| Advice on safe handling | : | Do not get on skin or clothing.  |
|                         |   | Do not breathe mist or vapours.  |
|                         |   | Do not swallow.  |
|                         |   | Do not get in eyes.  |
|                         |   | Wash skin thoroughly after handling.   |
|                         |   | Handle in accordance with good industrial hygiene and safety                                   |
|                         |   | practice, based on the results of the workplace exposure as-                                   |
|                         |   | sessment   |
|                         |   | Non-sparking tools should be used.   |
|                         |   | Keep container tightly closed.   |
|                         |   | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
|                         |   | Take precautionary measures against static discharges.   |
|                         |   | Do not eat, drink or smoke when using this product.  |
|                         |   | Take care to prevent spills, waste and minimize release to the environment.                    |
| Hygiene measures        | : | If exposure to chemical is likely during typical use, provide eye                              |
| ,,,                     |   | flushing systems and safety showers close to the working place.                                |
|                         |   | When using do not eat, drink or smoke.   |
|                         |   | Wash contaminated clothing before re-use.  |
|                         |   | The effective operation of a facility should include review of                                 |
|                         |   | engineering controls, proper personal protective equipment,                                    |
|                         |   | appropriate degowning and decontamination procedures,  |



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|-----------------------------|------------------------------|--|--|--|--|--|
| Conditions for safe storage |                              | <ul> <li>industrial hygiene monitoring, medical surveillance and the use of administrative controls.</li> <li>Keep in properly labelled containers.<br/>Store locked up.</li> <li>Keep tightly closed.</li> <li>Keep in a cool, well-ventilated place.</li> <li>Store in accordance with the particular national regulations.</li> <li>Keep away from heat and sources of ignition.</li> </ul> |  |  |  |  |
| Materials to avoid          |                              | : Do not store with<br>Self-reactive sub<br>Organic peroxide<br>Oxidizing agents<br>Flammable gase<br>Pyrophoric liquid<br>Pyrophoric solids   | the following product types:<br>stances and mixtures<br>s<br>s<br>s<br>s<br>stances and mixtures |  |  |  |

#### 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    |
|---|------------|-------------------------------------|--|----------|
| Solvent naphtha (petroleum), light aromatic | 64742-95-6 | TWA                                 | 900 mg/m3  | AU OEL   |
|   |            | TWA                                 | 200 mg/m3<br>(total hydrocarbon<br>vapor)              | ACGIH    |
| amitraz (ISO)                               | 33089-61-1 | TWA                                 | 10 µg/m3 (OEB 3)                                       | Internal |
|   |            | Wipe limit                          | 1250 µg/100 cm <sup>2</sup>                            | Internal |

Engineering measures:Use appropriate engineering controls and manufacturing<br/>technologies to control airborne concentrations (e.g., drip-<br/>less quick connections).<br/>All engineering controls should be implemented by facility<br/>design and operated in accordance with GMP principles to<br/>protect products, workers, and the environment.<br/>Containment technologies suitable for controlling compounds<br/>are required to control at source and to prevent migration of<br/>the compound to uncontrolled areas (e.g., open-face con-<br/>tainment devices).<br/>Minimize open handling.Use explosion-proof electrical, ventilating and lighting equip-<br/>ment.

#### Personal protective equipment

:

Respiratory protection

If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the rec-



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|                | lter type<br>protection      |  |   | nes, use respiratory protection.<br>ates and organic vapour type  |  |
| Ma             | aterial                      | : Chemio   | cal-resistant   | gloves  |  |
| Re             | emarks                       | : Consider double gloving. Take note that the product is mable, which may impact the selection of hand protect |   |   |  |
| Eye p          | protection                   | : Wear s<br>If the w<br>mists o<br>Wear a<br>potenti   | <ul> <li>Wear safety glasses with side shields or goggles.<br/>If the work environment or activity involves dusty condition mists or aerosols, wear the appropriate goggles.<br/>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> <li>Work uniform or laboratory coat.<br/>Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, di posable suits) to avoid exposed skin surfaces.<br/>Use appropriate degowning techniques to remove potential contaminated clothing.</li> </ul> |   |  |
| Skin a         | and body protection          | : Work u<br>Additio<br>task be<br>posable<br>Use ap  |   |   |  |

| Appearance  | : | liquid                                     |
|---|---|--|
| Colour  | : | yellow                                     |
| Odour   | : | characteristic, aromatic, hydrocarbon-like |
| Odour Threshold                                     | : | No data available                          |
| рН  | : | No data available                          |
| Melting point/freezing point                        | : | Not applicable                             |
| Initial boiling point and boiling range             | : | No data available                          |
| Flash point   | : | 53 °C                                      |
| Evaporation rate                                    | : | No data available                          |
| Flammability (solid, gas)                           | : | Not applicable                             |
| Flammability (liquids)                              | : | Not applicable                             |
| Upper explosion limit / Upper<br>flammability limit | : | 7 %(V)                                     |
| Lower explosion limit / Lower<br>flammability limit | : | 0.8 %(V)                                   |

### SAFETY DATA SHEET



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|                |                     |                              |   |                          |   |
| Va             | apour               | pressure                     | : | No data available        |   |
| Re             | elative             | e vapour density             | : | No data available        |   |
| Re             | elative             | edensity                     | : | No data available        | •   |
| De             | ensity              |                              | : | No data available        | •   |
| So             | olubilit<br>Wate    | y(ies)<br>er solubility      | : | emulsifiable             |   |
|                | artitior<br>ctanol/ | n coefficient: n-            | : | No data available        |   |
|                |                     | nition temperature           | : | No data available        | •   |
| De             | ecomp               | position temperature         | : | No data available        | •   |
| Vi             | iscosit<br>Visco    | y<br>osity, kinematic        | : | No data available        |   |
| Ex             | xplosiv             | ve properties                | : | Not explosive            |   |
| O              | xidizin             | g properties                 | : | The substance of         | mixture is not classified as oxidizing.                           |
| M              | lolecul             | ar weight                    | : | Not applicable           |   |
|                | article<br>article  | characteristics<br>size      | : | Not applicable           |   |

### SECTION 10. STABILITY AND REACTIVITY

| Reactivity<br>Chemical stability<br>Possibility of hazardous reac-<br>tions          | : | Not classified as a reactivity hazard.<br>Stable under normal conditions.<br>Flammable liquid and vapour.<br>Vapours may form explosive mixture with air.<br>Can react with strong oxidizing agents. |
|--|---|--|
| Conditions to avoid<br>Incompatible materials<br>Hazardous decomposition<br>products | : | Heat, flames and sparks.<br>Oxidizing agents<br>No hazardous decomposition products are known.   |

### SECTION 11. TOXICOLOGICAL INFORMATION

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



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|--------------|-------------------------------------|--|---|
|              |                                     |  |   |
|              | e toxicity<br>assified based on ava | ailable information.                             |   |
| <u>Produ</u> | <u>ict:</u>                         |  |   |
| Acute        | oral toxicity                       |  | estimate: > 2,000 mg/kg<br>ulation method                                       |
| <u>Comp</u>  | oonents:                            |  |   |
| Solve        | nt naphtha (petrole                 | um), light aromatic:                             |   |
| Acute        | oral toxicity                       | : LD50 (Rat): >                                  | 5,000 mg/kg   |
| Acute        | inhalation toxicity                 | : LC50 (Rat): ><br>Exposure time<br>Test atmosph | e: 4 h  |
| Acute        | dermal toxicity                     | : LD50 (Rabbit)                                  | : > 2,000 mg/kg   |
| 4-Non        | ylphenol, branched                  | l, ethoxylated:                                  |   |
| Acute        | oral toxicity                       |  | 300 - 2,000 mg/kg<br>sed on data from similar materials                         |
| Acute        | dermal toxicity                     | : LD50 (Rabbit)                                  | : > 2,000 mg/kg   |
| amitra       | az (ISO):                           |  |   |
| Acute        | oral toxicity                       | : LD50 (Rat): >                                  | 400 mg/kg   |
|              |                                     | LD50 (Mouse                                      | ): > 1,085 mg/kg  |
|              |                                     | LD50 (Guinea                                     | pig): > 400 mg/kg   |
| Acute        | inhalation toxicity                 | : Remarks: No                                    | data available  |
| Acute        | dermal toxicity                     | : LD50 (Rat): >                                  | 1,600 mg/kg   |
| Bis(2,       | 6-diisopropylpheny                  | d)carbodiimide:                                  |   |
| Acute        | oral toxicity                       |  | 300 - 2,000 mg/kg<br>D Test Guideline 423                                       |
| Acute        | dermal toxicity                     |  | 2,000 mg/kg<br>D Test Guideline 402<br>The substance or mixture has no acute de |

Causes skin irritation.



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#### Components:

#### Solvent naphtha (petroleum), light aromatic:

| Species | : | Rabbit                  |
|---------|---|-------------------------|
| Method  | : | OECD Test Guideline 404 |
| Result  | : | Skin irritation         |

#### amitraz (ISO):

| Species | : | Rabbit             |
|---------|---|--------------------|
| Result  | : | No skin irritation |

#### Bis(2,6-diisopropylphenyl)carbodiimide:

| Species | : | Rabbit                  |
|---------|---|-------------------------|
| Method  | : | OECD Test Guideline 404 |
| Result  | : | No skin irritation      |

#### Serious eye damage/eye irritation

Causes serious eye irritation.

#### **Components:**

#### Solvent naphtha (petroleum), light aromatic:

| Species | : | Rabbit                  |
|---------|---|-------------------------|
| Result  | : | No eye irritation       |
| Method  | : | OECD Test Guideline 405 |

#### 4-Nonylphenol, branched, ethoxylated:

| Species | : | Rabbit                                       |
|---------|---|--|
| Result  | : | Irritation to eyes, reversing within 21 days |

#### amitraz (ISO):

| Species | : | Rabbit            |
|---------|---|-------------------|
| Result  | : | No eye irritation |

#### Bis(2,6-diisopropylphenyl)carbodiimide:

| Species | : | Rabbit                  |
|---------|---|-------------------------|
| Result  | : | No eye irritation       |
| Method  | : | OECD Test Guideline 405 |

#### Respiratory or skin sensitisation

#### Skin sensitisation

Not classified based on available information.

#### **Respiratory sensitisation**

Not classified based on available information.



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#### **Components:**

#### Solvent naphtha (petroleum), light aromatic:

| Test Type       | : | Buehler Test |
|-----------------|---|--------------|
| Exposure routes | : | Skin contact |
| Species         | : | Guinea pig   |
| Result          | : | negative     |

#### 4-Nonylphenol, branched, ethoxylated:

| Test Type :       | : | Human repeat insult patch test (HRIPT) |
|-------------------|---|--|
| Exposure routes : | : | Skin contact                           |
| Result :          | : | negative                               |
| Remarks :         | : | Based on data from similar materials   |

#### amitraz (ISO):

| Test Type :       | Maximisation Test      |
|-------------------|------------------------|
| Exposure routes : | Dermal                 |
| Species :         | Guinea pig             |
| Result :          | Not a skin sensitizer. |

#### Bis(2,6-diisopropylphenyl)carbodiimide:

| Test Type       | : | Maximisation Test       |
|-----------------|---|-------------------------|
| Exposure routes | : | Skin contact            |
| Species         | : | Guinea pig              |
| Method          | : | OECD Test Guideline 406 |
| Result          | : | negative                |
|                 |   |                         |

#### **Chronic toxicity**

#### Germ cell mutagenicity

May cause genetic defects.

#### **Components:**

#### Solvent naphtha (petroleum), light aromatic:

| Genotoxicity in vitro                  | : | Test Type: Bacterial reverse mutation assay (AMES)<br>Result: negative  |
|--|---|---|
|  |   | Test Type: In vitro mammalian cell gene mutation test<br>Result: positive   |
| Genotoxicity in vivo                   | : | Test Type: Sister chromatid exchange analysis in spermato-<br>gonia<br>Species: Mouse<br>Application Route: Intraperitoneal injection<br>Result: positive |
| Germ cell mutagenicity -<br>Assessment | : | Positive result(s) from in vivo heritable germ cell mutagenicity tests in mammals   |





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| 4-Noi         | nylphenol, branched,         | etho   | xylated:                             |   |
| Geno          | toxicity in vitro            | :      | Test Type: Bac<br>Result: negative   | erial reverse mutation assay (AMES)                                   |
|               |                              |        |                                      | damage and repair, unscheduled DNA syr<br>alian cells (in vitro)<br>e |
| amitr         | az (ISO):                    |        |                                      |   |
| Geno          | toxicity in vitro            | :      | Test Type: Bac<br>Result: negative   | erial reverse mutation assay (AMES)                                   |
|               |                              |        | Test Type: In vi<br>Result: negative | tro mammalian cell gene mutation test                                 |
|               |                              |        | Test Type: Chro<br>Result: negative  | pmosome aberration test in vitro                                      |
|               |                              |        |                                      | damage and repair, unscheduled DNA syr<br>alian cells (in vitro)<br>e |
| Bis(2         | ,6-diisopropylphenyl         | )carb  | odiimide:                            |   |
| Geno          | toxicity in vitro            | :      |                                      | erial reverse mutation assay (AMES)<br>Test Guideline 471<br>e        |
|               |                              |        |                                      | omosome aberration test in vitro<br>Test Guideline 473<br>e           |
|               |                              |        |                                      | tro mammalian cell gene mutation test<br>Test Guideline 476<br>e      |
|               | nogenicity<br>cause cancer.  |        |                                      |   |
| Com           | oonents:                     |        |                                      |   |
| Solve         | ent naphtha (petroleu        | m), li | ght aromatic:                        |   |
| Speci         |                              | :      | Mouse<br>Skip contact                |   |
|               | cation Route<br>sure time    | :      | Skin contact<br>2 Years              |   |
| Resu          |                              | :      | positive                             |   |
| Carci<br>ment | nogenicity - Assess-         | :      | Sufficient evide                     | nce of carcinogenicity in animal experiments                          |





| sion  | Revision Date:<br>06.04.2024   | SDS Number:<br>1829235-00016  | Date of last issue: 30.09.2023<br>Date of first issue: 11.07.2017   |
|---|--|---|---|
|   |  |   |   |
| 4-Nor   | ylphenol, branched,  | ethoxylated:  |   |
| Speci   |  | : Rat   |   |
|   | cation Route   | : Ingestion   |   |
| Expos<br>Resul  | sure time  | : 2 Years   |   |
| Rema  |  | : negative<br>: Based on data   | from similar materials  |
| Roma  |  | . Dubba on data   |   |
| amitra  | az (ISO):  |   |   |
| Speci   |  | : Rat   |   |
|   | cation Route   | : Oral  |   |
|   | sure time  | : 2 Years   |   |
| NOAE<br>Resul   |  | : > 10.18 mg/kg   | body weight   |
| Resul   | l  | : negative  |   |
| Speci   |  | : Mouse   |   |
|   | sure time  | : 2 Years   |   |
| LOAE  |  | : 2.3 mg/kg body  | r weight  |
| Resul   |  | : positive  |   |
| raiye   | et Organs  | : Liver, Stomach  |   |
|   |  |   |   |
| -   | oductive toxicity<br>Jamage fertility.   |   |   |
| May c   | -  |   |   |
| May c<br><u>Comp</u>  | damage fertility.  | m), light aromatic:   |   |
| May c<br><u>Comp</u><br>Solve                                   | lamage fertility.  | : Test Type: Rep  | production/Developmental toxicity screening   |
| May c<br><u>Comp</u><br>Solve                                   | damage fertility.<br><u>ponents:</u><br>ent naphtha (petroleu  | : Test Type: Rep<br>test  | production/Developmental toxicity screening   |
| May c<br><u>Comp</u><br>Solve                                   | damage fertility.<br><u>ponents:</u><br>ent naphtha (petroleu  | : Test Type: Rep<br>test<br>Species: Rat  |   |
| May c<br><u>Comp</u><br>Solve                                   | damage fertility.<br>ponents:<br>ent naphtha (petroleu   | : Test Type: Rep<br>test<br>Species: Rat  | ute: inhalation (vapour)  |
| May c<br>Comp<br>Solve<br>Effect                                | damage fertility.<br>ponents:<br>ent naphtha (petroleu   | : Test Type: Rep<br>test<br>Species: Rat<br>Application Rou<br>Result: negativ  | ute: inhalation (vapour)  |
| May c<br>Comp<br>Solve<br>Effect                                | damage fertility.<br><u>conents:</u><br>ent naphtha (petroleu<br>is on fertility                                       | <ul> <li>Test Type: Rep<br/>test</li> <li>Species: Rat</li> <li>Application Rou<br/>Result: negativ</li> <li>Test Type: Eml<br/>Species: Rat</li> </ul>   | ute: inhalation (vapour)<br>e<br>oryo-foetal development  |
| May c<br>Comp<br>Solve<br>Effect                                | damage fertility.<br><u>conents:</u><br>ent naphtha (petroleu<br>is on fertility                                       | <ul> <li>Test Type: Rep<br/>test</li> <li>Species: Rat</li> <li>Application Rou<br/>Result: negativ</li> <li>Test Type: Eml<br/>Species: Rat</li> <li>Application Rou</li> </ul>  | ute: inhalation (vapour)<br>e<br>oryo-foetal development<br>ute: inhalation (vapour)  |
| May c<br>Comp<br>Solve<br>Effect                                | damage fertility.<br><u>conents:</u><br>ent naphtha (petroleu<br>is on fertility                                       | <ul> <li>Test Type: Rep<br/>test</li> <li>Species: Rat</li> <li>Application Rou<br/>Result: negativ</li> <li>Test Type: Eml<br/>Species: Rat</li> </ul>   | ute: inhalation (vapour)<br>e<br>oryo-foetal development<br>ute: inhalation (vapour)  |
| May of<br>Comp<br>Solve<br>Effect<br>Effect<br>ment             | damage fertility.<br><u>conents:</u><br>ent naphtha (petroleu<br>is on fertility<br>is on foetal develop-<br>az (ISO): | <ul> <li>Test Type: Rep<br/>test</li> <li>Species: Rat</li> <li>Application Rou<br/>Result: negativ</li> <li>Test Type: Eml</li> <li>Species: Rat</li> <li>Application Rou<br/>Result: negativ</li> </ul>   | ute: inhalation (vapour)<br>e<br>oryo-foetal development<br>ute: inhalation (vapour)<br>e   |
| May of<br>Comp<br>Solve<br>Effect<br>Effect<br>ment             | damage fertility.  | <ul> <li>Test Type: Rep<br/>test</li> <li>Species: Rat</li> <li>Application Rou<br/>Result: negativ</li> <li>Test Type: Eml<br/>Species: Rat</li> <li>Application Rou<br/>Result: negativ</li> <li>Test Type: Three</li> </ul>  | ute: inhalation (vapour)<br>e<br>oryo-foetal development<br>ute: inhalation (vapour)  |
| May of<br>Comp<br>Solve<br>Effect<br>Effect<br>ment             | damage fertility.<br><u>conents:</u><br>ent naphtha (petroleu<br>is on fertility<br>is on foetal develop-<br>az (ISO): | <ul> <li>Test Type: Rep<br/>test<br/>Species: Rat<br/>Application Rou<br/>Result: negativ</li> <li>Test Type: Eml<br/>Species: Rat<br/>Application Rou<br/>Result: negativ</li> <li>Test Type: Thre<br/>Species: Rat</li> </ul>   | ute: inhalation (vapour)<br>e<br>oryo-foetal development<br>ute: inhalation (vapour)<br>e<br>ee-generation reproduction toxicity study  |
| May of<br>Comp<br>Solve<br>Effect<br>Effect<br>ment             | damage fertility.<br><u>conents:</u><br>ent naphtha (petroleu<br>is on fertility<br>is on foetal develop-<br>az (ISO): | <ul> <li>Test Type: Rep<br/>test</li> <li>Species: Rat</li> <li>Application Rou<br/>Result: negativ</li> <li>Test Type: Eml<br/>Species: Rat</li> <li>Application Rou<br/>Result: negativ</li> <li>Test Type: Three<br/>Species: Rat</li> <li>Application Rou</li> </ul>  | ute: inhalation (vapour)<br>e<br>oryo-foetal development<br>ute: inhalation (vapour)<br>e<br>ee-generation reproduction toxicity study<br>ute: Oral   |
| May of<br>Comp<br>Solve<br>Effect<br>Effect<br>ment             | damage fertility.<br><u>conents:</u><br>ent naphtha (petroleu<br>is on fertility<br>is on foetal develop-<br>az (ISO): | <ul> <li>Test Type: Rep<br/>test<br/>Species: Rat<br/>Application Rou<br/>Result: negativ</li> <li>Test Type: Eml<br/>Species: Rat<br/>Application Rou<br/>Result: negativ</li> <li>Test Type: Thre<br/>Species: Rat<br/>Application Rou<br/>Fertility: NOAE</li> </ul>   | ute: inhalation (vapour)<br>e<br>oryo-foetal development<br>ute: inhalation (vapour)<br>e<br>ee-generation reproduction toxicity study<br>ute: Oral<br>L: > 4.8 mg/kg body weight   |
| May of<br>Comp<br>Solve<br>Effect<br>Effect<br>ment             | damage fertility.<br><u>conents:</u><br>ent naphtha (petroleu<br>is on fertility<br>is on foetal develop-<br>az (ISO): | <ul> <li>Test Type: Rep<br/>test<br/>Species: Rat<br/>Application Rou<br/>Result: negativ</li> <li>Test Type: Eml<br/>Species: Rat<br/>Application Rou<br/>Result: negativ</li> <li>Test Type: Thre<br/>Species: Rat<br/>Application Rou<br/>Fertility: NOAE</li> </ul>   | ute: inhalation (vapour)<br>e<br>oryo-foetal development<br>ute: inhalation (vapour)<br>e<br>ee-generation reproduction toxicity study<br>ute: Oral   |
| May of<br>Comp<br>Solve<br>Effect<br>Effect<br>ment             | damage fertility.  | <ul> <li>Test Type: Rep<br/>test<br/>Species: Rat<br/>Application Rou<br/>Result: negativ</li> <li>Test Type: Eml<br/>Species: Rat<br/>Application Rou<br/>Result: negativ</li> <li>Test Type: Thre<br/>Species: Rat<br/>Application Rou<br/>Fertility: NOAE<br/>Result: No Sign</li> </ul>   | ute: inhalation (vapour)<br>e<br>oryo-foetal development<br>ute: inhalation (vapour)<br>e<br>ee-generation reproduction toxicity study<br>ute: Oral<br>L: > 4.8 mg/kg body weight<br>ificant adverse effects were reported                            |
| May of<br>Comp<br>Solve<br>Effect<br>Effect<br>ment             | damage fertility.<br><u>conents:</u><br>ent naphtha (petroleu<br>is on fertility<br>is on foetal develop-<br>az (ISO): | <ul> <li>Test Type: Rep<br/>test</li> <li>Species: Rat</li> <li>Application Rou<br/>Result: negative</li> <li>Test Type: Eml<br/>Species: Rat</li> <li>Application Rou<br/>Result: negative</li> <li>Test Type: Threas</li> <li>Species: Rat</li> <li>Application Rou<br/>Fertility: NOAE</li> <li>Result: No sign</li> <li>Test Type: Eml</li> </ul>   | e<br>oryo-foetal development<br>ute: inhalation (vapour)<br>e<br>ee-generation reproduction toxicity study<br>ute: Oral<br>L: > 4.8 mg/kg body weight   |
| May of<br>Comp<br>Solve<br>Effect<br>Effect<br>amitra<br>Effect | damage fertility.  | <ul> <li>Test Type: Rep<br/>test<br/>Species: Rat<br/>Application Rou<br/>Result: negativ</li> <li>Test Type: Eml<br/>Species: Rat<br/>Application Rou<br/>Result: negativ</li> <li>Test Type: Thre<br/>Species: Rat<br/>Application Rou<br/>Fertility: NOAE<br/>Result: No Sign</li> </ul>   | ute: inhalation (vapour)<br>e<br>oryo-foetal development<br>ute: inhalation (vapour)<br>e<br>ee-generation reproduction toxicity study<br>ute: Oral<br>L: > 4.8 mg/kg body weight<br>ificant adverse effects were reported<br>oryo-foetal development |
| May of<br>Comp<br>Solve<br>Effect<br>Effect<br>amitra<br>Effect | damage fertility.  | <ul> <li>Test Type: Rep<br/>test</li> <li>Species: Rat</li> <li>Application Rou<br/>Result: negativ</li> <li>Test Type: Eml<br/>Species: Rat</li> <li>Application Rou<br/>Result: negativ</li> <li>Test Type: Three<br/>Species: Rat</li> <li>Application Rou<br/>Fertility: NOAE<br/>Result: No sign</li> <li>Test Type: Eml<br/>Species: Rat</li> <li>Application Rou<br/>Fertility: NOAE</li> <li>Test Type: Eml<br/>Species: Rat</li> <li>Application Rou</li> <li>Developmental</li> </ul> | ute: inhalation (vapour)<br>e<br>oryo-foetal development<br>ute: inhalation (vapour)<br>e<br>ee-generation reproduction toxicity study<br>ute: Oral<br>L: > 4.8 mg/kg body weight<br>ificant adverse effects were reported<br>oryo-foetal development |





| rsion          | Revision Date:<br>06.04.2024                 | -      | 0S Number:<br>29235-00016  | Date of last issue: 30.09.2023<br>Date of first issue: 11.07.2017 |
|----------------|--|--------|--|---|
|                |  |        | Species: Rabbin<br>Application Rou<br>Developmental  |   |
| Bis(2          | ,6-diisopropylphenyl)                        | carb   | odiimide:  |   |
| -              | s on fertility                               | :      | Test Type: Rep<br>test<br>Species: Rat<br>Application Rou<br>Method: OECD<br>Result: positive<br>Test Type: Fert<br>Species: Rat | Test Guideline 421<br>lity  |
|                |  |        | Application Rou<br>Result: positive  |   |
| Effect<br>ment | s on foetal develop-                         | :      | test<br>Species: Rat<br>Application Rou  | Test Guideline 421  |
| Repro<br>sessn | oductive toxicity - As-<br>nent              | :      |  | of adverse effects on sexual function and fert imal experiments.  |
|                | - single exposure<br>cause drowsiness or diz | zzine  | SS.  |   |
| <u>Comp</u>    | oonents:                                     |        |  |   |
| Solve          | ent naphtha (petroleur                       | m), li | ght aromatic:  |   |
| Asses          | ssment                                       | :      | May cause drow   | vsiness or dizziness.   |
| STOT           | - repeated exposure                          |        |  |   |
| May c          | • •  | ıs (Ki | dney, Heart, Gas   | trointestinal tract, Lymph nodes) through pro-                    |
| Comp           | oonents:                                     |        |  |   |
| amitr          | az (ISO):                                    |        |  |   |
|                | et Organs<br>ssment                          | :      | Liver, Central n<br>May cause dam<br>exposure.   | ervous system<br>age to organs through prolonged or repeated      |

### Bis(2,6-diisopropylphenyl)carbodiimide:

Exposure routes : Ingestion



| rsion<br>2    | Revision Date:<br>06.04.2024 | SDS Number:<br>1829235-00016 | Date of last issue: 30.09.2023<br>Date of first issue: 11.07.2017                |
|---------------|------------------------------|------------------------------|--|
|               |                              |                              |  |
| Targo         | t Organs                     | · Kidnov Hoort (             | Contraintenting tract Lymph pades  |
| Asses         | t Organs<br>sment            |                              | Gastrointestinal tract, Lymph nodes<br>e to organs through prolonged or repeated |
| Repea         | ated dose toxicity           |                              |  |
| <u>Comp</u>   | onents:                      |                              |  |
| Solve         | nt naphtha (petrole          | um), light aromatic:         |  |
| Specie        |                              | : Rat                        |  |
| LOAE          |                              | : 500 mg/kg                  |  |
|               | ation Route<br>ure time      | : Ingestion<br>: 28 Days     |  |
| Слроз         |                              | . 20 Days                    |  |
| 4-Non         | ylphenol, branched           | , ethoxylated:               |  |
| Specie        |                              | : Rat                        |  |
| LOAE          |                              | : > 100 mg/kg                |  |
|               | ation Route                  | : Ingestion                  |  |
| Expos<br>Rema | ure time                     | : 90 Days                    | rom similar materials  |
| Rema          | 110                          | . Dased on data              | Tom similar materials  |
| amitra        | az (ISO):                    |                              |  |
| Specie        |                              | : Mouse                      |  |
| NOAE          |                              | : 3 mg/kg                    |  |
|               | ation Route<br>ure time      | : Oral                       |  |
|               | t Organs                     | : 90 Days<br>: Liver         |  |
| -             | -                            | . Liver                      |  |
| Specie        |                              | : Dog                        |  |
| NOAE          | -                            | : 0.25 mg/kg                 |  |
|               | ation Route<br>ure time      | : Oral<br>: 90 Days          |  |
|               | t Organs                     | : Central nervous            | system, Liver  |
|               | <b>3</b>                     |                              |  |
| -             | 6-diisopropylpheny           | l)carbodiimide:              |  |
| Specie        |                              | : Rat                        |  |
| NOAE<br>LOAE  |                              | : 4 mg/kg<br>: 16 mg/kg      |  |
|               | ∟<br>ation Route             | : Ingestion                  |  |
|               | ure time                     | : 28 Days                    |  |
| Metho         | d                            | : OECD Test Gu               | deline 407   |
| Asnir         | ation toxicity               |                              |  |
| -             | e fatal if swallowed a       | nd enters airwavs.           |  |
| Produ         |                              |                              |  |
| FIUUU         | 10L.                         |                              |  |



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|---------|----------------|---------------|---------------------------------|
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#### **Components:**

#### Solvent naphtha (petroleum), light aromatic:

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

#### Experience with human exposure

#### **Components:**

amitraz (ISO): Ingestion

: Target Organs: Central nervous system

#### **SECTION 12. ECOLOGICAL INFORMATION**

#### Ecotoxicity

#### **Components:**

#### Solvent naphtha (petroleum), light aromatic:

| Toxicity to fish   | :   | LC50 (Pimephales promelas (fathead minnow)): 8.2 mg/l<br>Exposure time: 96 h<br>Test substance: Water Accommodated Fraction  |
|--|-----|--|
| Toxicity to daphnia and other aquatic invertebrates                    | :   | EL50 (Daphnia magna (Water flea)): 4.5 mg/l<br>Exposure time: 48 h<br>Test substance: Water Accommodated Fraction<br>Method: OECD Test Guideline 202                       |
| Toxicity to algae/aquatic plants                                       | :   | EL50 (Pseudokirchneriella subcapitata (microalgae)): 3.1 mg/l<br>Exposure time: 96 h<br>Test substance: Water Accommodated Fraction<br>Method: OECD Test Guideline 201     |
|  |     | NOELR (Pseudokirchneriella subcapitata (microalgae)): 0.5<br>mg/l<br>Exposure time: 96 h<br>Test substance: Water Accommodated Fraction<br>Method: OECD Test Guideline 201 |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | :   | NOELR (Daphnia magna (Water flea)): 2.6 mg/l<br>Exposure time: 21 d<br>Test substance: Water Accommodated Fraction<br>Method: OECD Test Guideline 211                      |
| 4-Nonylphenol, branched, et  | tho | xylated:   |
| Toxicity to fish   | :   | LC50 (Pimephales promelas (fathead minnow)): > 0.1 - 1 mg/l<br>Exposure time: 96 h<br>Remarks: Based on data from similar materials  |
| Toxicity to daphnia and other  | :   | EC50 (Ceriodaphnia dubia (water flea)): > 0.1 - 1 mg/l   |

## SAFETY DATA SHEET



| Version<br>4.2  | Revision Date:<br>06.04.2024                                   |     | 0S Number:<br>29235-00016                               | Date of last issue: 30.09.2023<br>Date of first issue: 11.07.2017                                       |
|-----------------|--|-----|---|---|
|                 |  |     |   |   |
| aqua            | tic invertebrates  |     | Exposure time: 48<br>Remarks: Based                     | 8 h<br>on data from similar materials   |
| Toxic<br>plant  | sity to algae/aquatic<br>s                                     | :   | mg/l<br>Exposure time: 72<br>Method: OECD T             | um capricornutum (green algae)): > 1 - 10<br>2 h<br>est Guideline 201<br>on data from similar materials |
|                 |  |     | Exposure time: 72<br>Method: OECD T                     |   |
| Toxic<br>icity) | sity to fish (Chronic tox-                                     | :   | Exposure time: 10                                       | atipes (Japanese medaka)): > 0.1 - 1 mg/l<br>00 d<br>on data from similar materials                     |
|                 | tic invertebrates (Chron-                                      | :   | mg/l<br>Exposure time: 28                               | is bahia (opossum shrimp)): > 0.001 - 0.01<br>8 d<br>on data from similar materials                     |
| amiti           | raz (ISO):   |     |   |   |
|                 | sity to fish   | :   | LC50 (Lepomis m<br>Exposure time: 96                    | nacrochirus (Bluegill sunfish)): 0.45 mg/l<br>6 h   |
|                 | tity to daphnia and other tic invertebrates                    | :   | EC50 (Daphnia m<br>Exposure time: 48                    | nagna (Water flea)): 0.035 mg/l<br>8 h  |
|                 | sity to algae/aquatic<br>s                                     | •   | NOEC (Pseudoki<br>mg/l<br>Exposure time: 9 <sup>-</sup> | rchneriella subcapitata (green algae)): 0.04<br>1 h   |
| Toxic<br>icity) | sity to fish (Chronic tox-                                     | :   | NOEC (Pimephal<br>mg/l<br>Exposure time: 32             | es promelas (fathead minnow)): 0.00148<br>2 d   |
|                 | city to daphnia and other tic invertebrates (Chron-<br>cicity) | :   | NOEC (Daphnia i<br>Exposure time: 2 <sup>-</sup>        | magna (Water flea)): 0.0011 mg/l<br>1 d   |
| Bis(2           | 2,6-diisopropylphenyl)c  | arb | odiimide:   |   |
| Toxic           | sity to fish   | :   | Exposure time: 90<br>Method: OECD T                     | chus mykiss (rainbow trout)): > 0.1 mg/l<br>6 h<br>est Guideline 203<br>city at the limit of solubility |
|                 | city to daphnia and other tic invertebrates                    | :   | Exposure time: 48<br>Method: OECD T                     | nagna (Water flea)): > 1 mg/l<br>8 h<br>est Guideline 202<br>city at the limit of solubility            |



| sion   | Revision Date:<br>06.04.2024   |                                      | DS Number:<br>29235-00016   | Date of last issue: 30.09.2023<br>Date of first issue: 11.07.2017  |
|--|--|--------------------------------------|---|--|
|  |  |                                      |   |  |
|  |  |                                      |   |  |
| Toxici<br>plants   | ity to algae/aquatic   | :                                    | Exposure time:<br>Method: OECD  | desmus subspicatus (green algae)): > 1 n<br>72 h<br>Test Guideline 201<br>oxicity at the limit of solubility                   |
|  |  |                                      | Exposure time:  | desmus subspicatus (green algae)): > 1 n<br>72 h<br>Test Guideline 201   |
| Toxici   | ty to microorganisms   | :                                    | EC50: > 1,000<br>Exposure time:<br>Method: OECD   |  |
| Persi  | stence and degradat  | oility                               |   |  |
| <u>Comp</u>  | oonents:   |                                      |   |  |
| Solve  | ent naphtha (petroleu  | ım), li                              | ght aromatic:   |  |
| Biode  | gradability  | :                                    | Result: Inheren<br>Biodegradation   | tly biodegradable.   |
|  |  |                                      | Exposure time:  |  |
| 4-Nor  | winhenol branched  | etho                                 | Exposure time:  |  |
|  | <b>nylphenol, branched</b> ,<br>gradability  | , etho<br>:                          | Exposure time:<br>xylated:<br>Result: Not read  |  |
| Biode  | gradability  | :                                    | Exposure time:<br><b>xylated:</b><br>Result: Not read<br>Remarks: Base  | 25 d<br>dily biodegradable.  |
| Biode<br>Bis(2   | ••   | :                                    | Exposure time:<br>xylated:<br>Result: Not read<br>Remarks: Base<br>odiimide:<br>Result: Not read<br>Biodegradation<br>Exposure time:  | 25 d<br>dily biodegradable.<br>d on data from similar materials<br>dily biodegradable.<br>: 3 %                                |
| Biode<br>Bis(2<br>Biode  | gradability<br>,6-diisopropylphenyl  | :<br>I)carb<br>:                     | Exposure time:<br>xylated:<br>Result: Not read<br>Remarks: Base<br>odiimide:<br>Result: Not read<br>Biodegradation<br>Exposure time:  | 25 d<br>dily biodegradable.<br>d on data from similar materials<br>dily biodegradable.<br>: 3 %<br>28 d                        |
| Biode<br>Bis(2)<br>Biode   | gradability<br>, <b>6-diisopropylphenyl</b><br>gradability   | :<br>I)carb<br>:                     | Exposure time:<br>xylated:<br>Result: Not read<br>Remarks: Base<br>odiimide:<br>Result: Not read<br>Biodegradation<br>Exposure time:  | 25 d<br>dily biodegradable.<br>d on data from similar materials<br>dily biodegradable.<br>: 3 %<br>28 d                        |
| Biode<br>Bis(2)<br>Biode<br>Biode  | gradability<br>,6-diisopropylphenyl<br>gradability<br>ccumulative potentia   | :<br>I)carb<br>:                     | Exposure time:<br>xylated:<br>Result: Not read<br>Remarks: Base<br>odiimide:<br>Result: Not read<br>Biodegradation<br>Exposure time:<br>Method: OECD  | 25 d<br>dily biodegradable.<br>d on data from similar materials<br>dily biodegradable.<br>: 3 %<br>28 d                        |
| Biode<br>Bis(2,<br>Biode<br>Biode<br>Bioac<br><u>Comp</u><br>4-Nor<br>Partiti                                  | gradability<br>,6-diisopropylphenyl<br>gradability<br>ccumulative potentia<br><u>ponents:</u>  | l)carb<br>:<br>I                     | Exposure time:<br>xylated:<br>Result: Not read<br>Remarks: Base<br>odiimide:<br>Result: Not read<br>Biodegradation<br>Exposure time:<br>Method: OECD  | 25 d<br>dily biodegradable.<br>d on data from similar materials<br>dily biodegradable.<br>: 3 %<br>28 d                        |
| Biode<br>Bis(2,<br>Biode<br>Biode<br>Biode<br>Comp<br>Partiti<br>octand<br>amitra                              | gradability<br>,6-diisopropylphenyl<br>gradability<br>ccumulative potentia<br><u>ponents:</u><br>nylphenol, branched,<br>on coefficient: n-<br>ol/water<br>az (ISO):   | l)carb<br>:<br>I                     | Exposure time:<br>xylated:<br>Result: Not read<br>Remarks: Base<br>odiimide:<br>Result: Not read<br>Biodegradation<br>Exposure time:<br>Method: OECD<br>xylated:<br>log Pow: < 4  | 25 d<br>dily biodegradable.<br>d on data from similar materials<br>dily biodegradable.<br>: 3 %<br>28 d<br>Test Guideline 301B |
| Biode<br>Bis(2,<br>Biode<br>Biode<br>Biode<br>Comp<br>Partiti<br>octand<br>amitra                              | gradability<br>,6-diisopropylphenyl<br>gradability<br>ccumulative potentia<br><u>ponents:</u><br>nylphenol, branched,<br>on coefficient: n-<br>ol/water  | l)carb<br>:<br>I                     | Exposure time:<br>xylated:<br>Result: Not read<br>Remarks: Base<br>odiimide:<br>Result: Not read<br>Biodegradation<br>Exposure time:<br>Method: OECD<br>xylated:<br>log Pow: < 4<br>Species: Lepon                                    | 25 d<br>dily biodegradable.<br>d on data from similar materials<br>dily biodegradable.<br>: 3 %<br>28 d                        |
| Biode<br>Bis(2)<br>Biode<br>Biode<br>Biode<br>Comp<br>A-Nor<br>Partiti<br>octant<br>Bioac<br>Partiti           | gradability<br>,6-diisopropylphenyl<br>gradability<br>ccumulative potentia<br><u>ponents:</u><br>nylphenol, branched,<br>on coefficient: n-<br>ol/water<br>az (ISO):   | l)carb<br>:<br>I                     | Exposure time:<br>xylated:<br>Result: Not read<br>Remarks: Base<br>odiimide:<br>Result: Not read<br>Biodegradation<br>Exposure time:<br>Method: OECD<br>xylated:<br>log Pow: < 4<br>Species: Lepon                                    | 25 d<br>dily biodegradable.<br>d on data from similar materials<br>dily biodegradable.<br>: 3 %<br>28 d<br>Test Guideline 301B |
| Biode<br>Bis(2,<br>Biode<br>Biode<br>Biode<br>Comp<br>A-Nor<br>Partiti<br>octant<br>Bioac<br>Partiti<br>octant | gradability<br><b>6-diisopropylphenyl</b><br>gradability<br><b>ccumulative potentia</b><br><b>ponents:</b><br><b>nylphenol, branched</b> ,<br>on coefficient: n-<br>ol/water<br><b>az (ISO):</b><br>cumulation<br>on coefficient: n- | l)carb<br>:<br>I<br>, etho<br>:<br>: | Exposure time:<br>xylated:<br>Result: Not read<br>Remarks: Base<br>odiimide:<br>Result: Not read<br>Biodegradation<br>Exposure time:<br>Method: OECD<br>xylated:<br>log Pow: < 4<br>Species: Lepon<br>Bioconcentratio<br>log Pow: 5.5 | 25 d<br>dily biodegradable.<br>d on data from similar materials<br>dily biodegradable.<br>: 3 %<br>28 d<br>Test Guideline 301B |

### SAFETY DATA SHEET



## Amitraz (5%) Formulation

| Version<br>4.2 | Revision Date:<br>06.04.2024           |     | DS Number:<br>29235-00016 | Date of last issue: 30.09.2023<br>Date of first issue: 11.07.2017                                  |
|----------------|--|-----|---------------------------|--|
|                |  |     |                           |  |
|                | ition coefficient: n-<br>nol/water     | :   | log Pow: > 6.2            |  |
| Mob            | ility in soil                          |     |                           |  |
| <u>Com</u>     | ponents:                               |     |                           |  |
| Distr          | raz (ISO):<br>ibution among environ-   | :   | log Koc: 3.3              |  |
| Othe           | tal compartments<br>er adverse effects |     |                           |  |
| No d           | lata available                         |     |                           |  |
| SECTION        | N 13. DISPOSAL CONSI                   | DEF | RATIONS                   |  |
| Disp           | oosal methods                          |     |                           |  |
| •              | te from residues                       | :   |                           | waste into sewer.  |
| Cont           | taminated packaging                    | :   |                           | ordance with local regulations.<br>should be taken to an approved waste han-<br>cling or disposal. |

Empty containers retain residue and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury and/or death. If not otherwise specified: Dispose of as unused product.

#### **SECTION 14. TRANSPORT INFORMATION**

#### International Regulations

| UNRTDG                       |   |                              |
|------------------------------|---|------------------------------|
| UN number                    | : | 0.1.0200                     |
| Proper shipping name         | : | , ,                          |
| Class                        | ÷ | 3                            |
| Packing group                | - |                              |
| Labels                       | - | 3                            |
| Environmentally hazardous    | : | no                           |
| IATA-DGR                     |   |                              |
| UN/ID No.                    | : | UN 3295                      |
| Proper shipping name         | : | Hydrocarbons, liquid, n.o.s. |
| Class                        | : | 3                            |
| Packing group                | : | III                          |
| Labels                       | : | Flammable Liquids            |
| Packing instruction (cargo   | : | 366                          |
| aircraft)                    |   |                              |
| Packing instruction (passen- | : | 355                          |
| ger aircraft)                |   |                              |
| IMDG-Code                    |   |                              |
| UN number                    |   | UN 3295                      |
| Proper shipping name         | : | HYDROCARBONS, LIQUID, N.O.S. |
|                              | • | (amitraz (ISO))              |
|                              |   |                              |



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|         |                |               |                                 |

| Class            | : | 3        |
|------------------|---|----------|
| Packing group    | : | Ш        |
| Labels           | : | 3        |
| EmS Code         | : | F-E, S-D |
| Marine pollutant | : | yes      |

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable for product as supplied.

#### National Regulations

| ADG                       |   |                              |
|---------------------------|---|------------------------------|
| UN number                 | : | UN 3295                      |
| Proper shipping name      | : | HYDROCARBONS, LIQUID, N.O.S. |
| Class                     | : | 3                            |
| Packing group             | : | III                          |
| Labels                    | : | 3                            |
| Hazchem Code              | : | 3Y                           |
| Environmentally hazardous | : | no                           |

#### Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

#### **SECTION 15. REGULATORY INFORMATION**

| Safety, health and environmer<br>ture             | ntal regulations/legislations/legislation   | on specific for the substance or mix-  |  |  |
|---|---|--|--|--|
| Therapeutic Goods (Poisons : Standard) Instrument | Schedule 7 (Please use the original publication to check for specific uses, specific conditions or threshold limits that might apply for this chemical) |  |  |  |
| Prohibition/Licensing Requireme                   | ents :  | There is no applicable prohibition,<br>authorisation and restricted use<br>requirements, including for carcino-<br>gens referred to in Schedule 10 of<br>the model WHS Act and Regula-<br>tions. |  |  |
| The components of this produ                      | •   | llowing inventories:   |  |  |
| AICS :  | not determined  |  |  |  |

| DSL   | : not det | ermined |
|-------|-----------|---------|
| IECSC | : not det | ermined |

#### SECTION 16: ANY OTHER RELEVANT INFORMATION

| Revision Date : | 06.04.2024 |
|-----------------|------------|
|-----------------|------------|



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|-------------|---|------------------------------|-----|--|---|--|
|             |   |                              |     |  |   |  |
|             | Sources of key data used to compile the Safety Data Sheet |                              | :   | Internal technical data, data from raw material SDSs, OECD<br>eChem Portal search results and European Chemicals Agen-<br>cy, http://echa.europa.eu/ |   |  |
|             | Date format   |                              | :   | dd.mm.yyyy   |   |  |
|             | Full text of other abbreviati                             |                              | ons |  |   |  |
|             | ACGIH<br>AU OE  |                              | :   |  | eshold Limit Values (TLV)<br>ace Exposure Standards for Airborne Con- |  |
|             | ACGIH<br>AU OE  | / TWA<br>L / TWA             | :   | 8-hour, time-weig<br>Exposure standar  | hted average<br>d - time weighted average                             |  |

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 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





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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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