

Safety data sheet

Page: 1/15

Safety data sheet according to UN GHS 4th rev.

Date / Revised: 02.05.2022

Product: **DUETT ULTRA**

Version: 3.0

(ID no. 156853/SDS_CPA_00/EN)

Date of print 26.07.2022

1. Identification

Product identifier

DUETT ULTRA

Details of the supplier of the safety data sheet

Company:

Emergency telephone number

International emergency number:

Telephone: +49 180 2273-112

2. Hazards Identification

Classification of the substance or mixture

According to UN GHS criteria

Acute Tox. 4 (oral)

Acute Tox. 4 (Inhalation - mist)

Muta. 2

Carc. 2

Repr. 2 (fertility)

Repr. 2 (unborn child)

Aquatic Acute 1

Aquatic Chronic 1

For the classifications not written out in full in this section the full text can be found in section 16.

Label elements

Safety data sheet according to UN GHS 4th rev.

Date / Revised: 02.05.2022

Version: 3.0

Product: **DUETT ULTRA**

(ID no. 156853/SDS_CPA_00/EN)

Date of print 26.07.2022

Globally Harmonized System (GHS)

Pictogram:



Signal Word:

Warning

Hazard Statement:

| | |
|-------------|--|
| H351 | Suspected of causing cancer. |
| H341 | Suspected of causing genetic defects. |
| H361 | Suspected of damaging fertility. Suspected of damaging the unborn child. |
| H302 + H332 | Harmful if swallowed or if inhaled |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |

Precautionary Statement:

| | |
|------|---|
| P101 | If medical advice is needed, have product container or label at hand. |
| P102 | Keep out of reach of children. |
| P103 | Read carefully and follow all instructions. |

Precautionary Statements (Prevention):

| | |
|------|--|
| P280 | Wear protective gloves, protective clothing and eye protection or face protection. |
| P271 | Use only outdoors or in a well-ventilated area. |
| P201 | Obtain special instructions before use. |
| P260 | Do not breathe mist or vapour. |
| P202 | Do not handle until all safety precautions have been read and understood. |
| P270 | Do not eat, drink or smoke when using this product. |
| P264 | Wash contaminated body parts thoroughly after handling. |

Precautionary Statements (Response):

| | |
|-------------|--|
| P312 | Call a POISON CENTER or physician if you feel unwell. |
| P304 + P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing. |
| P308 + P313 | IF exposed or concerned: Get medical attention. |
| P330 | Rinse mouth |
| P391 | Collect spillage. |

Precautionary Statements (Storage):

| | |
|------|------------------|
| P405 | Store locked up. |
|------|------------------|

Precautionary Statements (Disposal):

| | |
|------|---|
| P501 | Dispose of contents and container to hazardous or special waste collection point. |
|------|---|

Labeling of special preparations (GHS):

May produce an allergic reaction. Contains: Thiophanate-methyl

According to UN GHS criteria

Safety data sheet according to UN GHS 4th rev.

Date / Revised: 02.05.2022

Version: 3.0

Product: **DUETT ULTRA**

(ID no. 156853/SDS_CPA_00/EN)

Date of print 26.07.2022

Hazard determining component(s) for labelling: epoxiconazole(ISO); (2RS,3SR)-3-(2-chlorophenyl)-2-(4-fluorophenyl)-[(1H-1,2,4-triazol-1-yl)methyl]oxirane, thiophanate-methyl (ISO)

Other hazards

According to UN GHS criteria

See section 12 - Results of PBT and vPvB assessment.

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

3. Composition/Information on Ingredients

Substances

Not applicable

Mixtures

Chemical nature

crop protection product, fungicide, suspension concentrate (SC)

Hazardous ingredients (GHS)

According to UN GHS criteria

thiophanate-methyl (ISO)

Content (W/W): 26,27 %
CAS Number: 23564-05-8
EC-Number: 245-740-7
INDEX-Number: 006-069-00-3

Acute Tox. 4 (Inhalation - dust)
Skin Sens. 1
Muta. 2
Carc. 2
Aquatic Acute 1
Aquatic Chronic 1
M-factor acute: 10
M-factor chronic: 10
H332, H317, H351, H341, H400, H410

epoxiconazole(ISO); (2RS,3SR)-3-(2-chlorophenyl)-2-(4-fluorophenyl)-[(1H-1,2,4-triazol-1-yl)methyl]oxirane

Safety data sheet according to UN GHS 4th rev.
Date / Revised: 02.05.2022
Product: **DUETT ULTRA**

Version: 3.0

(ID no. 156853/SDS_CPA_00/EN)

Date of print 26.07.2022

| | |
|----------------------------|------------------------------|
| Content (W/W): 15,85 % | Acute Tox. 5 (oral) |
| CAS Number: 133855-98-8 | Carc. 2 |
| EC-Number: 406-850-2 | Repr. 2 (fertility) |
| INDEX-Number: 613-175-00-9 | Repr. 2 (unborn child) |
| | Aquatic Acute 1 |
| | Aquatic Chronic 1 |
| | M-factor acute: 10 |
| | M-factor chronic: 10 |
| | H303, H351, H361, H400, H410 |

Benzenesulfonic acid, hydroxy-, polymer with formaldehyde, phenol and urea, sodium salt

| | |
|-------------------------|--------------------|
| Content (W/W): < 3 % | Eye Dam./Irrit. 2A |
| CAS Number: 102980-04-1 | Aquatic Acute 3 |
| | Aquatic Chronic 3 |
| | H319, H402, H412 |

Propane-1,2-diol

| |
|-----------------------|
| Content (W/W): < 10 % |
| CAS Number: 57-55-6 |
| EC-Number: 200-338-0 |

For the classifications not written out in full in this section the full text can be found in section 16.

4. First-Aid Measures

Description of first aid measures

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Immediately remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air, seek medical attention.

On skin contact:

Immediately wash thoroughly with soap and water, seek medical attention.

On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

On ingestion:

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11., (Further) symptoms and / or effects are not known so far

Indication of any immediate medical attention and special treatment needed

Safety data sheet according to UN GHS 4th rev.
Date / Revised: 02.05.2022
Product: **DUETT ULTRA**

Version: 3.0

(ID no. 156853/SDS_CPA_00/EN)

Date of print 26.07.2022

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:
water spray, dry powder, foam, carbon dioxide

Unsuitable extinguishing media for safety reasons:
water jet

Special hazards arising from the substance or mixture

Carbon monoxide, Carbon dioxide, Hydrogen chloride, Hydrogen fluoride, nitrogen oxides, sulfur oxides, halogenated compounds, silica compounds
The substances/groups of substances mentioned can be released in case of fire.

Advice for fire-fighters

Special protective equipment:
Wear self-contained breathing apparatus and chemical-protective clothing.

Further information:

Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. In case of fire and/or explosion do not breathe fumes. Keep containers cool by spraying with water if exposed to fire.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Do not breathe vapour/spray. Use personal protective clothing. Avoid contact with the skin, eyes and clothing.

Environmental precautions

Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

For small amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).

For large amounts: Dike spillage. Pump off product.

Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations. Wear suitable protective equipment.

7. Handling and Storage

Precautions for safe handling

No special measures necessary if stored and handled correctly. Ensure thorough ventilation of stores and work areas. When using do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift.

Protection against fire and explosion:

Safety data sheet according to UN GHS 4th rev.
Date / Revised: 02.05.2022
Product: **DUETT ULTRA**

Version: 3.0

(ID no. 156853/SDS_CPA_00/EN)

Date of print 26.07.2022

The substance/product is non-combustible. Product is not explosive. No special precautions necessary.

Conditions for safe storage, including any incompatibilities

Segregate from foods and animal feeds.

Further information on storage conditions: Keep away from heat. Protect from direct sunlight.

Storage stability:

Storage duration: 60 Months

Protect from temperatures below: -10 °C

Changes in the properties of the product may occur if substance/product is stored below indicated temperature for extended periods of time.

Protect from temperatures above: 40 °C

Changes in the properties of the product may occur if substance/product is stored above indicated temperature for extended periods of time.

Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

8. Exposure Controls/Personal Protection

Control parameters

Components with occupational exposure limits

57-55-6: Propane-1,2-diol

23564-05-8: Thiophanate-methyl

TWA value 1 mg/m³ (Recommendation of BASF), Respirable dust

133855-98-8: epoxyconazole

TWA value 0,3 mg/m³ (Recommendation of BASF), Respirable dust

Exposure controls

Personal protective equipment

Respiratory protection:

Suitable respiratory protection for lower concentrations or short-term effect: Combination filter for gases/vapours of organic, inorganic, acid inorganic, alkaline compounds and toxic particles (e. g. EN 14387 Type ABEK-P3)

Hand protection:

Suitable chemical resistant safety gloves (EN ISO 374-1) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) etc.

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

Safety data sheet according to UN GHS 4th rev.
Date / Revised: 02.05.2022
Product: **DUETT ULTRA**

Version: 3.0

(ID no. 156853/SDS_CPA_00/EN)

Date of print 26.07.2022

General safety and hygiene measures

The statements on personal protective equipment in the instructions for use apply when handling crop-protection agents in final-consumer packing. Wearing of closed work clothing is recommended. Store work clothing separately. Keep away from food, drink and animal feeding stuffs.

9. Physical and Chemical Properties**Information on basic physical and chemical properties**

| | | |
|--------------------------------|--|-----------------------------|
| Form: | liquid | |
| Colour: | white | |
| Odour: | garlic-like | |
| Odour threshold: | Not determined since harmful by inhalation. | |
| pH value: | approx. 6 - 8 (1 %(m), 20 °C) (as suspension) | |
| crystallization temperature: | approx. -8 °C | |
| Boiling point: | approx. 100 °C | |
| Flash point: | Information applies to the solvent. | (ISO 2719) |
| | No flash point - Measurement made up to the boiling point. | |
| Evaporation rate: | not applicable | |
| Flammability: | not applicable | |
| Lower explosion limit: | As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use. | |
| Upper explosion limit: | As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use. | |
| Ignition temperature: | 485 °C | (Directive 92/69/EEC, A.15) |
| Vapour pressure: | approx. 23 hPa (20 °C) | |
| | Information applies to the solvent. | |
| Density: | approx. 1,18 g/cm ³ (20 °C) | |
| Relative vapour density (air): | not applicable | |
| Solubility in water: | dispersible | |

Safety data sheet according to UN GHS 4th rev.

Date / Revised: 02.05.2022

Version: 3.0

Product: **DUETT ULTRA**

(ID no. 156853/SDS_CPA_00/EN)

Date of print 26.07.2022

Partitioning coefficient n-octanol/water (log Kow):

The statements are based on the properties of the individual components.

Information on: thiophanate-methyl (ISO)

Partitioning coefficient n-octanol/water (log Kow): approx. 1,4 (OECD Guideline 107)
(25 °C)

Thermal decomposition: 145 °C, 80 kJ/kg (DSC (OECD 113))

(onset temperature)

300 °C, 250 kJ/kg (DSC (OECD 113))

(onset temperature)

Not a substance liable to self-decomposition according to UN transport regulations, class 4.1.

Viscosity, dynamic:

64 mPa.s

(20 °C, 100 1/s)

Explosion hazard:

not explosive

(Directive 92/69/EEC, A.14)

Fire promoting properties: not fire-propagating

(UN Test O.2 (oxidizing liquids))

SADT:

> 75 °C

Heat accumulation / Dewar 500 ml (SADT, UN-Test H.4, 28.4.4)

Other information

Other Information:

If necessary, information on other physical and chemical parameters is indicated in this section.

10. Stability and Reactivity

Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Chemical stability

The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions

No hazardous reactions if stored and handled as prescribed/indicated.

Conditions to avoid

See SDS section 7 - Handling and storage.

Incompatible materials

Substances to avoid:

strong acids, strong bases, strong oxidizing agents

Hazardous decomposition products

Hazardous decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

11. Toxicological Information

Information on toxicological effects

Acute toxicity

Assessment of acute toxicity:

Of moderate toxicity after short-term inhalation. Of moderate toxicity after single ingestion. Virtually nontoxic after a single skin contact.

Experimental/calculated data:

LD50 rat (oral): > 400 mg/kg (OECD Guideline 423)

LC50 rat (by inhalation): > 3,46 mg/l 4 h (OECD Guideline 403)

An aerosol was tested.

LD50 rat (dermal): > 2.000 mg/kg (OECD Guideline 402)

No mortality was observed.

Irritation

Assessment of irritating effects:

Not irritating to the skin. Not irritating to the eyes.

Experimental/calculated data:

Skin corrosion/irritation rabbit: non-irritant

Serious eye damage/irritation rabbit: non-irritant

Respiratory/Skin sensitization

Assessment of sensitization:

There is no evidence of a skin-sensitizing potential.

Experimental/calculated data:

modified Buehler test guinea pig: Non-sensitizing.

Germ cell mutagenicity

Assessment of mutagenicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

| Information on: thiophanate-methyl (ISO)

| Assessment of mutagenicity:

| Mutagenic properties can not be excluded on the basis of experimental data.

Carcinogenicity

Assessment of carcinogenicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

Safety data sheet according to UN GHS 4th rev.
Date / Revised: 02.05.2022
Product: **DUETT ULTRA**

Version: 3.0

(ID no. 156853/SDS_CPA_00/EN)

Date of print 26.07.2022

| Information on: thiophanate-methyl (ISO)

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

Information on: epoxiconazole(ISO); (2RS,3SR)-3-(2-chlorophenyl)-2-(4-fluorophenyl)-[(1H-1,2,4-triazol-1-yl)methyl]oxirane

Assessment of carcinogenicity:

Indication of possible carcinogenic effect in animal tests.

Reproductive toxicity

Assessment of reproduction toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: epoxiconazole(ISO); (2RS,3SR)-3-(2-chlorophenyl)-2-(4-fluorophenyl)-[(1H-1,2,4-triazol-1-yl)methyl]oxirane

Assessment of reproduction toxicity:

The results of animal studies suggest a fertility impairing effect.

Developmental toxicity

Assessment of teratogenicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

| Information on: thiophanate-methyl (ISO)

Assessment of teratogenicity:

Causes developmental effects in animals at high, maternally toxic doses.

Information on: epoxiconazole(ISO); (2RS,3SR)-3-(2-chlorophenyl)-2-(4-fluorophenyl)-[(1H-1,2,4-triazol-1-yl)methyl]oxirane

Assessment of teratogenicity:

Indications of possible developmental toxicity/teratogenicity were seen in animal studies.

Specific target organ toxicity (single exposure)

Assessment of STOT single:

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

Remarks: The product has not been tested. The statement has been derived from the properties of the individual components.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: epoxiconazole(ISO); (2RS,3SR)-3-(2-chlorophenyl)-2-(4-fluorophenyl)-[(1H-1,2,4-triazol-1-yl)methyl]oxirane

Safety data sheet according to UN GHS 4th rev.
Date / Revised: 02.05.2022
Product: **DUETT ULTRA**

Version: 3.0

(ID no. 156853/SDS_CPA_00/EN)

Date of print 26.07.2022

*Assessment of repeated dose toxicity:**Repeated exposure to large quantities may affect certain organs.*Aspiration hazard

The product has not been tested. The statement has been derived from the properties of the individual components.

No aspiration hazard expected.

Other relevant toxicity information

Misuse can be harmful to health.

12. Ecological Information**Toxicity**

Assessment of aquatic toxicity:

Very toxic to aquatic life with long lasting effects.

Aquatic plants:

EC50 (72 h) 77,69 mg/l (growth rate), Pseudokirchneriella subcapitata (OECD Guideline 201)

EC10 (72 h) 0,34 mg/l (growth rate), Pseudokirchneriella subcapitata (OECD Guideline 201)

EC50 (7 d) 0,0507 mg/l (growth rate), Lemna gibba (OECD guideline 221)

EC10 (72 h) 0,0113 mg/l (growth rate), Lemna gibba (OECD guideline 221)

| *Information on: thiophanate-methyl (ISO)*| *Toxicity to fish:*| *LC50 (96 h) 1,07 mg/l, Oncorhynchus mykiss (static)*| *LC50 (96 h) 11 mg/l, Oncorhynchus mykiss (EPA 72-1, Flow through.)*| *Information on: epoxiconazole(ISO); (2RS,3SR)-3-(2-chlorophenyl)-2-(4-fluorophenyl)-[(1H-1,2,4-triazol-1-yl)methyl]oxirane*| *Toxicity to fish:*| *LC50 (96 h) > 2,2 - < 4,6 mg/l, Oncorhynchus mykiss*| *Information on: thiophanate-methyl (ISO)*| *Aquatic invertebrates:*| *EC50 (48 h) 5,4 mg/l, Daphnia magna (Flow through.)*| *EC50 (48 h) 12,7 mg/l, daphnia (OPP 72-2 (EPA-guideline))*| *Information on: epoxiconazole(ISO); (2RS,3SR)-3-(2-chlorophenyl)-2-(4-fluorophenyl)-[(1H-1,2,4-triazol-1-yl)methyl]oxirane*| *Aquatic invertebrates:*| *EC50 (48 h) 8,69 mg/l, Daphnia magna*

Persistence and degradability

Assessment biodegradation and elimination (H₂O):

The product has not been tested. The statement has been derived from the properties of the individual components.

| *Information on: thiophanate-methyl (ISO)*

| *Assessment biodegradation and elimination (H₂O):*

| *Not readily biodegradable (by OECD criteria).*

Information on: epoxiconazole(ISO); (2RS,3SR)-3-(2-chlorophenyl)-2-(4-fluorophenyl)-[(1H-1,2,4-triazol-1-yl)methyl]oxirane

Assessment biodegradation and elimination (H₂O):

Not readily biodegradable (by OECD criteria).

Bioaccumulative potential

Assessment bioaccumulation potential:

The product has not been tested. The statement has been derived from the properties of the individual components.

| *Information on: thiophanate-methyl (ISO)*

| *Bioaccumulation potential:*

| *Because of the n-octanol/water distribution coefficient (log Pow) accumulation in organisms is not to be expected.*

Information on: epoxiconazole(ISO); (2RS,3SR)-3-(2-chlorophenyl)-2-(4-fluorophenyl)-[(1H-1,2,4-triazol-1-yl)methyl]oxirane

Bioaccumulation potential:

Bioconcentration factor: 59 - 70, Oncorhynchus mykiss (OECD-Guideline 305)

Does not accumulate in organisms.

Mobility in soil

Assessment transport between environmental compartments:

Adsorption in soil: The product has not been tested. The statement has been derived from the properties of the individual components.

| *Information on: thiophanate-methyl (ISO)*

| *Assessment transport between environmental compartments:*

| *Adsorption in soil: Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.*

Information on: epoxiconazole(ISO); (2RS,3SR)-3-(2-chlorophenyl)-2-(4-fluorophenyl)-[(1H-1,2,4-triazol-1-yl)methyl]oxirane

Assessment transport between environmental compartments:

Adsorption in soil: Following exposure to soil, adsorption to solid soil particles is probable, therefore contamination of groundwater is not expected.

Results of PBT and vPvB assessment

Safety data sheet according to UN GHS 4th rev.
Date / Revised: 02.05.2022
Product: **DUETT ULTRA**

Version: 3.0

(ID no. 156853/SDS_CPA_00/EN)

Date of print 26.07.2022

The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria.

Other adverse effects

The product does not contain substances that are listed in the Montreal Protocol on substances that deplete the ozone layer.

Additional information

Other ecotoxicological advice:
Do not discharge product into the environment without control.

13. Disposal Considerations

Waste treatment methods

Must be sent to a suitable incineration plant, observing local regulations.

Contaminated packaging:
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

14. Transport Information

Land transport

ADR

UN number or ID number: UN3082
UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S. (EPOXICONAZOLE, THIOPHANATE-METHYL)
Transport hazard class(es): 9, EHSM
Packing group: III
Environmental hazards: yes
Special precautions for user: None known

RID

UN number or ID number: UN3082
UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S. (EPOXICONAZOLE, THIOPHANATE-METHYL)
Transport hazard class(es): 9, EHSM
Packing group: III
Environmental hazards: yes
Special precautions for user: None known

Safety data sheet according to UN GHS 4th rev.

Date / Revised: 02.05.2022

Version: 3.0

Product: **DUETT ULTRA**

(ID no. 156853/SDS_CPA_00/EN)

Date of print 26.07.2022

Inland waterway transport

ADN

UN number or ID number: UN3082
UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S. (EPOXICONAZOLE, THIOPHANATE-METHYL)
Transport hazard class(es): 9, EHSM
Packing group: III
Environmental hazards: yes
Special precautions for user: None known

Transport in inland waterway vessel

Not evaluated

Sea transport

IMDG

UN number or ID number: UN 3082
UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S. (EPOXICONAZOLE, THIOPHANATE-METHYL)
Transport hazard class(es): 9, EHSM
Packing group: III
Environmental hazards: yes
Special precautions for user: Marine pollutant: YES
EmS: F-A; S-F

Air transport

IATA/ICAO

UN number or ID number: UN 3082
UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S. (EPOXICONAZOLE, THIOPHANATE-METHYL)
Transport hazard class(es): 9, EHSM
Packing group: III
Environmental hazards: yes
Special precautions for user: None known

Maritime transport in bulk according to IMO instruments

Maritime transport in bulk is not intended.

Further information

Product may be shipped as non-hazardous in suitable packages containing a net quantity of 5 L or less under the provisions of various regulatory agencies: ADR, RID, ADN: Special Provision 375; IMDG: 2.10.2.7; IATA: A197; TDG: Special Provision 99(2); 49CFR: §171.4 (c) (2) and also the Special Provision 375 in Appendix B which is regulated in China "Regulations Concerning Road

Safety data sheet according to UN GHS 4th rev.
Date / Revised: 02.05.2022
Product: **DUETT ULTRA**

Version: 3.0

(ID no. 156853/SDS_CPA_00/EN)

Date of print 26.07.2022

Transportation of Dangerous Goods Part 3: Index of dangerous goods name and transportation requirements" (JT/T 617.3)

15. Regulatory Information

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

To avoid risks to man and the environment, comply with the instructions for use.

16. Other Information

Full text of classifications, hazard symbols and hazard statements, if mentioned in section 2 or 3:

| | |
|-----------------|--|
| Acute Tox. | Acute toxicity |
| Muta. | Germ cell mutagenicity |
| Carc. | Carcinogenicity |
| Repr. | Reproductive toxicity |
| Aquatic Acute | Hazardous to the aquatic environment - acute |
| Aquatic Chronic | Hazardous to the aquatic environment - chronic |
| Skin Sens. | Skin sensitization |
| Eye Dam./Irrit. | Serious eye damage/eye irritation |
| H332 | Harmful if inhaled. |
| H317 | May cause an allergic skin reaction. |
| H351 | Suspected of causing cancer. |
| H341 | Suspected of causing genetic defects. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H303 | May be harmful if swallowed. |
| H361 | Suspected of damaging fertility. Suspected of damaging the unborn child. |
| H319 | Causes serious eye irritation. |
| H402 | Harmful to aquatic life. |
| H412 | Harmful to aquatic life with long lasting effects. |

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

Vertical lines in the left hand margin indicate an amendment from the previous version.