

Safety data sheet

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BASF Safety data sheet according to UN GHS 4th rev.

Date / Revised: 13.09.2018 Version: 2.0

Product: Focus Ultra

(ID no. 30255371/SDS_CPA_IL/EN)

Date of print 12.03.2020

1. Identification

Product identifier

Focus Ultra

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: crop protection product, herbicide

Details of the supplier of the safety data sheet

Company:
BASF SE
67056 Ludwigshafen
GERMANY
Operating Division Crop Protection

Telephone: +49 621 60-27777

E-mail address: Produktinformation-Pflanzenschutz@basf.com

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

Asp. Tox. 1 Flam. Liq. 4 Skin Corr./Irrit. 2 Eye Dam./Irrit. 2A

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Repr. 2 (unborn child)

STOT SE 3 (Vapours may cause drowsiness and dizziness.)

Aquatic Acute 3 Aquatic Chronic 2

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

Label elements

Globally Harmonized System (GHS)

Pictogram:



Signal Word:

Danger

Hazard Statement:

H227 Combustible liquid.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H361 Suspected of damaging the unborn child.

H402 Harmful to aquatic life.

H411 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 label before use.

Precautionary Statements (Prevention):

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and

understood.

P210 Keep away from heat, hot surfaces, sparks, open flames and other

ignition sources. No smoking.

P261 Avoid breathing mist.

P264 Wash contaminated body parts thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/clothing/eye protection.

Precautionary Statements (Response):

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P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P303 + P352	IF ON SKIN (or hair): Wash with plenty of soap and water.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P311	IF exposed or concerned: Call a POISON CENTER or doctor/physician.
P331	Do NOT induce vomiting.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P337 + P311	If eye irritation persists: Call a POISON CENTER or doctor/physician.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P370 + P378	In case of fire: Use water spray, dry powder, foam or carbon dioxide for

extinction. Collect spillage.

Precautionary Statements (Storage):
P403 + P235 Store in a well-ventilated place. Keep cool.

P233 Keep container tightly closed.

P405 Store locked up.

Precautionary Statements (Disposal):

P501 Dispose of contents/container to hazardous or special waste collection

point.

According to UN GHS criteria

Hazard determining component(s) for labelling: cycloxydim (ISO), Solvent naphtha (petroleum), heavy arom.

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

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crop protection product, herbicide, Emulsifiable concentrate (EC)

Hazardous ingredients (GHS)

According to UN GHS criteria

cycloxydim (ISO)

Content (W/W): 10,8 % Acute Tox. 4 (oral) CAS Number: 101205-02-1 Repr. 2 (unborn child)

EC-Number: 405-230-9 H302, H361

INDEX-Number: 606-147-00-2

Hydrocarbons, C10, aromatics, <1% naphthalene

Content (W/W): < 60 % Asp. Tox. 1 CAS Number: 64742-94-5 Flam. Liq. 4

REACH registration number: 01-STOT SE 3 (drowsiness and dizziness)

2119463583-34 Aquatic Acute 2 Aquatic Chronic 2

H401, H411, H227, H304, H336

Docusate sodium

Content (W/W): < 5 % Acute Tox. 5 (oral) CAS Number: 577-11-7 Skin Corr./Irrit. 2 Eve Dam./Irrit. 1 EC-Number: 209-406-4

Aquatic Acute 2

H318, H315, H303, H401

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, consult an eve specialist.

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On ingestion:

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention. Do not induce vomiting due to aspiration hazard.

Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further symptoms and / or effects are not known so far

Indication of any immediate medical attention and special treatment needed

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

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:

foam, dry powder, carbon dioxide, water spray

Special hazards arising from the substance or mixture

carbon monoxide, Carbon dioxide, sulfur oxides, nitrogen oxides

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:

In case of fire and/or explosion do not breathe fumes. Keep containers cool by spraying with water if exposed to fire. 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.

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.

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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:

Vapours may form ignitable mixture with air. Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy.

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: 24 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: 30 °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

No occupational exposure limits known.

Exposure controls

Personal protective equipment

Respiratory protection:

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

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Hand protection:

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): 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).

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: yellow to orange

Odour: moderate odour, aromatic

Odour threshold:

Not determined due to potential

health hazard by inhalation.

pH value: approx. 4 - 5

(1 %(m), 20 °C)

Melting point:

The product has not been tested.

Boiling point: approx. 184 °C

Information applies to the solvent.

Flash point: 74 °C

(DIN EN 22719; ISO 2719)

Evaporation rate:

not applicable

Flammability: not highly flammable

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.

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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: 350 °C

Vapour pressure: approx. 0,1 kPa

(20 °C)

Information applies to the solvent.

Density: approx. 0,92 g/cm3

(20 °C)

Relative vapour density (air):

not applicable

Solubility in water: emulsifiable

Information on: cycloxydim (ISO); 2-(N- ethoxybutanimidoyl)-3- hydroxy-5-(tetrahydro- 2H-thiopyran-

3-yl) cyclohex-2-en-1-one

Partitioning coefficient n-octanol/water (log Kow): 1,55

(25 °C; pH value: 7)

Thermal decomposition: 135 °C, 40 kJ/kg (DSC (OECD 113))

320 °C, 120 kJ/kg (DSC (OECD 113))

Not a substance liable to self-decomposition according to UN transport

regulations, class 4.1.

Viscosity, dynamic: approx. 4,7 mPa.s

(20 °C, 100 1/s)

Explosion hazard: not explosive

Fire promoting properties: not fire-propagating (Directive 2004/73/EC, A.21)

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 MSDS section 7 - Handling and storage.

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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:

Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact. Virtually nontoxic by inhalation. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Experimental/calculated data: LD50 rat (oral): > 2.200 mg/kg No mortality was observed.

LC50 rat (by inhalation): > 5,6 mg/l 4 h No mortality was observed.

LD50 rat (dermal): > 2.000 mg/kg No mortality was observed.

Irritation

Assessment of irritating effects:

Eye contact causes irritation. Skin contact causes irritation.

Experimental/calculated data:

Skin corrosion/irritation rabbit: Irritant.

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Serious eye damage/irritation rabbit: Irritant.

Respiratory/Skin sensitization

Assessment of sensitization:

There is no evidence of a skin-sensitizing potential.

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Experimental/calculated data:

modified Buehler test guinea pig: Skin sensitizing effects were not observed in animal studies.

Germ cell mutagenicity

Assessment of mutagenicity:

The product has not been tested. The statement has been derived from the properties of the individual components. Mutagenicity tests revealed no genotoxic potential.

Carcinogenicity

Assessment of carcinogenicity:

The product has not been tested. The statement has been derived from the properties of the individual components. The results of various animal studies gave no indication of a carcinogenic effect.

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: cycloxydim (ISO); 2-(N- ethoxybutanimidoyl)-3- hydroxy-5-(tetrahydro- 2H-thiopyran- 3-vl) cyclohex-2-en-1-one

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: cycloxydim (ISO)

Assessment of teratogenicity:

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

Specific target organ toxicity (single exposure)

Assessment of STOT single:

Possible narcotic effects (drowsiness or dizziness).

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:

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

Information on: cycloxydim (ISO)
Assessment of repeated dose toxicity:

Adaptive effects were observed after repeated exposure in animal studies.

Aspiration hazard

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

May also damage the lung at swallowing (aspiration hazard).

Other relevant toxicity information

Misuse can be harmful to health.

12. Ecological Information

Toxicity

Assessment of aquatic toxicity:

Harmful to aquatic life. Toxic to aquatic life with long lasting effects.

Toxicity to fish:

LC50 (96 h) 20,4 mg/l, Oncorhynchus mykiss

Aquatic invertebrates:

EC50 (48 h) 15,5 mg/l, Daphnia magna (OECD Guideline 202, part 1)

Aquatic plants:

EC50 (72 h) > 100 mg/l (growth rate), Pseudokirchneriella subcapitata

Chronic toxicity to aquatic invertebrates:

No observed effect concentration 0,78 mg/l, Daphnia magna

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

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: cycloxydim (ISO); 2-(N- ethoxybutanimidoyl)-3- hydroxy-5-(tetrahydro- 2H-thiopyran-3-yl) cyclohex-2-en-1-one

Assessment biodegradation and elimination (H2O):

Not readily biodegradable (by OECD criteria).

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Information on: Hydrocarbons, C10, aromatics, <1% naphthalene

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: cycloxydim (ISO); 2-(N- ethoxybutanimidoyl)-3- hydroxy-5-(tetrahydro- 2H-thiopyran-3-yl) cyclohex-2-en-1-one

Bioaccumulation potential:

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

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Mobility in soil

Assessment transport between environmental compartments:

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

Information on: cycloxydim (ISO); 2-(N- ethoxybutanimidoyl)-3- hydroxy-5-(tetrahydro- 2H-thiopyran-3-yl) cyclohex-2-en-1-one

Assessment transport between environmental compartments:

Adsorption in soil: Following exposure to soil, the product trickles away and can - dependant on degradation - be transported to deeper soil areas with larger water loads.

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Results of PBT and vPvB assessment

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

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Waste treatment methods

Must be disposed of or incinerated in accordance with 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 UN3082

UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S. (contains SOLVENT NAPHTHA, NAPHTHALENE)

Transport hazard class(es): 9, EHSM

Packing group: III Environmental hazards: ves

Special precautions for

user: None known

RID

UN number UN3082

UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S. (contains SOLVENT NAPHTHA, NAPHTHALENE)

Transport hazard class(es): 9, EHSM

Packing group:

Environmental hazards: yes

Special precautions for None known

user:

Inland waterway transport

ADN

UN number UN3082

UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S. (contains SOLVENT NAPHTHA, NAPHTHALENE)

Transport hazard class(es): 9, EHSM

Packing group:

Environmental hazards: yes

Special precautions for N

user:

None known

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Transport in inland waterway vessel

Not evaluated

Sea transport

IMDG

UN number: UN 3082

UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S. (contains SOLVENT NAPHTHA, NAPHTHALENE)

Transport hazard class(es): 9, EHSM

Packing group: III Environmental hazards: yes

Marine pollutant: YES

Special precautions for

user:

None known

Air transport

IATA/ICAO

UN number: UN 3082

UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S. (contains SOLVENT NAPHTHA, NAPHTHALENE)

Transport hazard class(es): 9, EHSM

Packing group: III Environmental hazards: yes

Special precautions for None

user:

None known

Transport in bulk according to Annex II of MARPOL and the IBC Code

Regulation:
Shipment approved:
Pollution name:
Pollution category:
Ship Type:
Not evaluated
Not evaluated
Not evaluated
Not evaluated
Not evaluated

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.

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16. Other Information

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

Aspiration hazard Asp. Tox. Flam. Liq. Flammable liquids Skin Corr./Irrit. Skin corrosion/irritation

Eye Dam./Irrit. Serious eye damage/eye irritation

Reproductive toxicity Repr.

STOT SE Specific target organ toxicity — single exposure Aquatic Acute Hazardous to the aquatic environment - acute Aquatic Chronic Hazardous to the aquatic environment - chronic

Acute Tox. Acute toxicity

H302 Harmful if swallowed.

H361 Suspected of damaging the unborn child.

H401 Toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

Combustible liquid. H227

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

H318 Causes serious eye damage.

Causes skin irritation. H315

H303 May be harmful if swallowed.

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.