

Safety data sheet

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BASF Safety data sheet
Date / Revised: 21.05.2019
Product: **Seltima 10 CS**

Version: 1.0

(30613427/SDS_CPA_PH/EN)

Date of print 22.05.2019

1. Substance/preparation and manufacturer/supplier identification

Seltima 10 CS

Use: crop protection product, fungicide

Manufacturer/supplier:

BASF Philippines, Inc.
11/F HHIC Building, 1128 University Parkway,
North Bonifacio, Global City, Taguig, Metro Manila, PHILIPPINES
Telephone: +63 2 811-8000
Telefax number: +63 2 838-1025

Emergency information:

National emergency number:
+63 2 831 5576
International emergency number:
Telephone: +49 180 2273-112

2. Hazard identification

Classification of the substance and mixture:

Hazardous to the aquatic environment - acute: Cat. 1

Hazardous to the aquatic environment - chronic: Cat. 1

Label elements and precautionary statement:

Pictogram:



Signal Word:

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Warning**Hazard Statement:**

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 label before use.

Precautionary Statements (Response):

P391 Collect spillage.

Precautionary Statements (Disposal):

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

Other hazards which do not result in classification:

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.

May produce an allergic reaction. Contains: HEXAMETHYLENE DIISOCYANATE, OLIGOMERS, DIETHYLENETRIAMINE, 1,2-BENZISOTHIAZOL-3(2H)-ONE

3. Composition/information on ingredients

Chemical nature

crop protection product, fungicide, capsule suspension (CS)

Hazardous ingredients

Carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester

Content (W/W): 9.52 %

CAS Number: 175013-18-0

Acute Tox.: Cat. 3 (Inhalation - mist)

Skin Corr./Irrit.: Cat. 2

STOT SE: Cat. 3 (irr. to respiratory syst.)

Aquatic Acute: Cat. 1

Aquatic Chronic: Cat. 1

M-factor acute: 100

M-factor chronic: 10

Alcohols, C8-C10, ethoxylated, propoxylated (polymer)

Content (W/W): < 15 %

CAS Number: 68603-25-8

Acute Tox.: Cat. 4 (oral)

Eye Dam./Irrit.: Cat. 2B

Aquatic Acute: Cat. 3

solvent naphtha

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Content (W/W): < 10 %
CAS Number: 64742-94-5

Asp. Tox.: Cat. 1
Flam. Liq.: Cat. 4
Skin Corr./Irrit.: Cat. 2
STOT SE: Cat. 3 (drowsiness and dizziness)
Aquatic Acute: Cat. 2
Aquatic Chronic: Cat. 2

(OLIGOMER) Hexamethylene diisocyanate isocyanurate-type oligomers

Content (W/W): < 5 %
CAS Number: 28182-81-2

Acute Tox.: Cat. 4 (Inhalation - mist)
Skin Sens.: Cat. 1
STOT SE: Cat. 3 (irr. to respiratory syst.)

Alcohols, C12-18, ethoxylated propoxylated

Content (W/W): < 5 %
CAS Number: 69227-21-0

Aquatic Acute: Cat. 2

Naphthalene, 1-methyl-

Content (W/W): < 5 %
CAS Number: 90-12-0

Acute Tox.: Cat. 4 (oral)
Aquatic Chronic: Cat. 2

Naphthalene, 2-methyl-

Content (W/W): < 5 %
CAS Number: 91-57-6

Acute Tox.: Cat. 4 (oral)
Aquatic Chronic: Cat. 2

2,2'-iminodi(ethylamine)

Content (W/W): < 1 %
CAS Number: 111-40-0

Acute Tox.: Cat. 4 (oral)
Acute Tox.: Cat. 2 (Inhalation - mist)
Acute Tox.: Cat. 4 (dermal)
Skin Corr./Irrit.: Cat. 1B
Eye Dam./Irrit.: Cat. 1
Skin Sens.: Cat. 1B
STOT SE: Cat. 3 (irr. to respiratory syst.)
Aquatic Acute: Cat. 3

naphthalene

Content (W/W): < 1 %
CAS Number: 91-20-3

Acute Tox.: Cat. 4 (oral)
Carc.: Cat. 2
Aquatic Acute: Cat. 1
Aquatic Chronic: Cat. 1
M-factor acute: 1
M-factor chronic: 1

1,2-benzisothiazol-3(2H)-one

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Content (W/W): < 0.05 %
CAS Number: 2634-33-5

Acute Tox.: Cat. 4 (oral)
Skin Corr./Irrit.: Cat. 2
Eye Dam./Irrit.: Cat. 1
Skin Sens.: Cat. 1
Aquatic Acute: Cat. 1
M-factor acute: 1
M-factor chronic: 1

glycerol

Content (W/W): < 5 %
CAS Number: 56-81-5

4. First-Aid Measures

General advice:

Remove contaminated clothing.

If inhaled:

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

On skin contact:

Wash thoroughly with soap and water.

On contact with eyes:

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

On ingestion:

Rinse mouth and then drink 200-300 ml of water.

Note to physician:

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

Treatment: Symptomatic treatment (decontamination, vital functions).

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

5. Fire-Fighting Measures

Suitable extinguishing media:

dry powder, foam, water spray, carbon dioxide

Specific hazards:

carbon monoxide, carbon dioxide, hydrogen chloride, nitrogen oxides, organochloric compounds
The substances/groups of substances mentioned can be released in case of fire.

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:

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 for cleaning up or taking 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.

7. Handling and Storage

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:

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

Storage

Segregate from foods and animal feeds.

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

Storage stability:

Storage duration: 36 Months

Protect from temperatures below: 0 °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: 35 °C

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

8. Exposure controls and personal protection

Components with occupational exposure limits

solvent naphtha, 64742-94-5;

TWA value 200 mg/m³ (ACGIHTLV), Non-aerosol

Measured as: total hydrocarbon vapor

Application restricted to conditions in which there are negligible aerosol exposures.

Skin Designation (ACGIHTLV), Non-aerosol

Measured as: total hydrocarbon vapor

The substance can be absorbed through the skin.

Naphthalene, 1-methyl-, 90-12-0;

Skin Designation (ACGIHTLV)

The substance can be absorbed through the skin.

TWA value 0.5 ppm (ACGIHTLV)

Naphthalene, 2-methyl-, 91-57-6;

TWA value 0.5 ppm (ACGIHTLV)

Skin Designation (ACGIHTLV)

The substance can be absorbed through the skin.

CLV 0.2 mg/m³ (OEL (PH)), Particulate

Measured as: benzene solubles

Personal protective equipment

Respiratory protection:

Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2) Suitable respiratory protection for higher concentrations or long-term effect:

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

Form: liquid, suspension
Colour: pale beige
Odour: faintly aromatic

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Odour threshold:	Not determined due to potential health hazard by inhalation.	
pH value:	approx. 6 - 8 (20 °C)	
Melting temperature:	approx. 0 °C Information applies to the solvent.	
boiling temperature:	approx. 100 °C Information applies to the solvent.	
Flash point:	Non-flammable.	
Evaporation rate:	not applicable	
Flammability (solid/gas):	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:	approx. 438 °C	(Directive 92/69/EEC, A.15)
Thermal decomposition:	145 °C , 130 kJ/kg 360 °C , 160 kJ/kg Not a substance liable to self-decomposition according to UN transport regulations, class 4.1.	
Self ignition:	not applicable	
Explosion hazard:	Based on the chemical structure there is no indicating of explosive properties.	(Directive 92/69/EEC, A.14)
Fire promoting properties:	not fire-propagating	(Directive 2004/73/EC, A.21)
Vapour pressure:	approx. 23 hPa (20 °C) Information applies to the solvent.	
Density:	approx. 1.05 g/cm ³ (20 °C) approx. 1.036 g/cm ³ (55 °C)	(calculated)

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Relative vapour density (air):
not applicable

Solubility in water: dispersible
Partitioning coefficient n-octanol/water (log Pow):
not applicable

Viscosity, dynamic: approx. 271 mPa.s
(20 °C, 100 1/s)

Other Information:

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

10. Stability and Reactivity

Conditions to avoid:
See MSDS section 7 - Handling and storage.

Thermal decomposition: 145 °C, 130 kJ/kg

Thermal decomposition: 360 °C, 160 kJ/kg

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

Substances to avoid:
strong oxidizing agents, strong bases, strong acids

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

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

11. Toxicological Information

Acute toxicity

Assessment of acute toxicity:
Virtually nontoxic after a single ingestion. Virtually nontoxic by inhalation. Virtually nontoxic after a single skin contact.

Experimental/calculated data:
LD50 rat (oral): > 2,000 mg/kg (OECD Guideline 401)
No mortality was observed.

LC50 rat (by inhalation): > 2.4 mg/l (OECD Guideline 403)
Highest concentration available for testing. No mortality was observed.

LD50 rat (dermal): > 5,000 mg/kg (OECD Guideline 402)

Irritation

Assessment of irritating effects:
Not irritating to the skin. Not irritating to the eyes.

Experimental/calculated data:
Skin corrosion/irritation rabbit:

Serious eye damage/irritation rabbit:

Respiratory/Skin sensitization

Assessment of sensitization:
There is no evidence of a skin-sensitizing potential.

Experimental/calculated data:
modified Buehler test guinea pig:

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.

Information on: 2,2'-iminodi(ethylamine)

Assessment of carcinogenicity:

The substance showed no carcinogenic activity in animals after chronic administration to the skin.

Under certain conditions the substance can form nitrosamines. Nitrosamines are carcinogenic in animal studies.

Reproductive toxicity

Assessment of reproduction toxicity:
The product has not been tested. The statement has been derived from the properties of the individual components. The results of animal studies gave no indication of 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. Animal studies gave no indication of a developmental toxic effect at doses that were not toxic to the parental animals.

Specific target organ toxicity (single exposure):

Assessment of STOT single:

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Causes temporary irritation of the respiratory tract. A health hazard potential can essentially be excluded based on the low concentration of the component in the product.

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: pyraclostrobin (ISO); methyl N-{2-[1-(4-chlorophenyl)-1H-pyrazol-3-yloxymethyl]phenyl}(N-methoxy)carbamate

Assessment of repeated dose toxicity:

After repeated exposure the prominent effect is local irritation. The substance may cause damage to the olfactory epithelium after repeated inhalation.

Information on: glycerol

Assessment of repeated dose toxicity:

No adverse effects were observed after repeated oral exposure in animal studies. Repeated inhalation exposure to large quantities has shown upper respiratory tract irritation in experimental animals.

Information on: 2,2'-iminodi(ethylamine)

Assessment of repeated dose toxicity:

The substance may cause damage to the liver after repeated ingestion of high doses, as shown in animal studies. The substance may cause damage to the kidney after repeated ingestion of high doses, as shown in animal studies.

Information on: 1,2-benzisothiazol-3(2H)-one

Information on: (OLIGOMER) Hexamethylene diisocyanate isocyanurate-type oligomers

Assessment of repeated dose toxicity:

After repeated exposure the prominent effect is local irritation.

Aspiration hazard

No aspiration hazard expected.

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

Other relevant toxicity information

Misuse can be harmful to health.

12. Ecological Information

Ecotoxicity

Assessment of aquatic toxicity:

Very toxic to aquatic life with long lasting effects.

Toxicity to fish:

LC50 (96 h) > 1.06 mg/l, *Cyprinus carpio* (OECD 203; ISO 7346; 92/69/EEC, C.1, static)

Aquatic invertebrates:

EC50 (48 h) 0.624 mg/l, *Daphnia magna*

Aquatic plants:

EC10 (72 h) 7.7 mg/l (growth rate), *Pseudokirchneriella subcapitata* (OECD Guideline 201)

EC50 (72 h) 27.7 mg/l (growth rate), *Pseudokirchneriella subcapitata* (OECD Guideline 201)

Mobility**Assessment transport between environmental compartments:**

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

Information on: pyraclostrobin (ISO); methyl N-{2-[1-(4-chlorophenyl)-1H-pyrazol-3-yloxymethyl]phenyl}(N-methoxy)carbamate

Assessment transport between environmental compartments:

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

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: pyraclostrobin (ISO); methyl N-{2-[1-(4-chlorophenyl)-1H-pyrazol-3-yloxymethyl]phenyl}(N-methoxy)carbamate

Bioaccumulation potential**Assessment bioaccumulation potential:**

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

Information on: pyraclostrobin (ISO); methyl N-{2-[1-(4-chlorophenyl)-1H-pyrazol-3-yloxymethyl]phenyl}(N-methoxy)carbamate

Bioaccumulation potential:

Bioconcentration factor: 379 - 507, *Oncorhynchus mykiss* (OECD-Guideline 305)

Accumulation in organisms is not to be expected.

Additional information**Other ecotoxicological advice:**

Do not discharge product into the environment without control.

13. Disposal Considerations

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

Domestic transport:

Packing group: III
ID number: UN 3082
Transport hazard class(es): 9, EHSM
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains PYRACLOSTROBIN)

Sea transport

IMDG
Packing group: III
ID number: UN 3082
Transport hazard class(es): 9, EHSM
Marine pollutant: YES
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains PYRACLOSTROBIN)

Air transport

IATA/ICAO
Packing group: III
ID number: UN 3082
Transport hazard class(es): 9, EHSM
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains PYRACLOSTROBIN)

15. Regulatory Information

Other regulations

For the user of this plant-protective product applies: 'To avoid risks to man and the environment, comply with the instructions for use.' (Directive 1999/45/EC, Article 10, No. 1.2)

Registration status:

PICCS, PH blocked / not listed

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PICCS, PH

Not listed.

16. Other Information

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

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.