

Safety data sheet

Page: 1/15

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

Date / Revised: 02.12.2022 Version: 1.0

Product: Basta 200 SL

(ID no. 30746379/SDS_CPA_ZA/EN)

Date of print 19.02.2025

1. Identification

Product identifier

Basta 200 SL

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 South Africa (Pty) Ltd
852 Sixteenth Road
Midrand
P O Box 2801
Halfway House 1685
SOUTH AFRICA

Telephone: +27 11 203 2400

Emergency telephone number

National emergency number: +27 11 203 2420 International emergency number:

Telephone: +49 180 2273-112

2. Hazards Identification

Classification of the substance or mixture

According to UN GHS criteria

Acute Tox. 5 (Inhalation - mist)

Date / Revised: 02.12.2022 Version: 1.0

Product: Basta 200 SL

(ID no. 30746379/SDS_CPA_ZA/EN)

Date of print 19.02.2025

Acute Tox. 4 (dermal)
Skin Corr./Irrit. 2
Eye Dam./Irrit. 2B
Skin Sens. 1B
Repr. 1B (fertility)
Repr. 2 (unborn child)

STOT SE (Nervous system) 1 STOT RE (Nervous system) 2

Aquatic Acute 2 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:

H320 Causes eye irritation.
H315 Causes skin irritation.
H312 Harmful in contact with skin.
H333 May be harmful if inhaled.

H317 May cause an allergic skin reaction.

H360 May damage fertility. Suspected of damaging the unborn child.

H370 Causes damage to organs (Nervous system).

H373 May cause damage to organs (Nervous system) through prolonged or

repeated exposure.

H401 Toxic 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 carefully and follow all instructions.

Precautionary Statements (Prevention):

P280 Wear protective gloves, protective clothing and eye protection or face

protection.

P260 Do not breathe dust/gas/mist/vapours. P201 Obtain special instructions before use.

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

understood.

P270 Do not eat, drink or smoke when using this product.

P272 Contaminated work clothing should not be allowed out of the workplace.

P264 Wash contaminated body parts thoroughly after handling.

Date / Revised: 02.12.2022 Version: 1.0

Product: Basta 200 SL

(ID no. 30746379/SDS_CPA_ZA/EN)

Date of print 19.02.2025

Precautionary Statements (Response):

P308 + P311 IF exposed or concerned: Call a POISON CENTER or physician.
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 + P313 IF exposed or concerned: Get medical attention.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P333 + P313 If skin irritation or rash occurs: Get medical attention.

P361 + P364 Take off immediately all contaminated clothing and wash it before

reuse.

P391 Collect spillage.

P337 + P313 If eye irritation persists: Get medical attention.

Precautionary Statements (Storage):
P405 Store locked up.

Precautionary Statements (Disposal):

P501 Dispose of contents and container to hazardous or special waste

collection point.

According to UN GHS criteria

Hazard determining component(s) for labelling: glufosinate ammonium (ISO); ammonium 2-amino-4-(hydroxymethylphosphinyl)butyrate

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, herbicide, Soluble concentrate (SL)

Hazardous ingredients (GHS)

According to UN GHS criteria

glufosinate ammonium (ISO); ammonium 2-amino-4-(hydroxymethylphosphinyl)butyrate

Date / Revised: 02.12.2022 Version: 1.0

Product: Basta 200 SL

(ID no. 30746379/SDS_CPA_ZA/EN)

Date of print 19.02.2025

Content (W/W): 18 % CAS Number: 77182-82-2 EC-Number: 278-636-5 INDEX-Number: 015-155-00-X Acute Tox. 4 (Inhalation - dust)

Acute Tox. 4 (oral) Acute Tox. 4 (dermal) Repr. 1B (fertility) Repr. 2 (unborn child)

STOT SE (Nervous system) 1 STOT RE (Nervous system) 2

Aquatic Acute 1
Aquatic Chronic 1
M-factor acute: 1
M-factor chronic: 1

H360, H302 + H312 + H332, H370, H373,

H400, H410

(OLIGOMER) Alcohols, C12-14, ethoxylated, sulfates, sodium salts (> 1 < 2.5 mol EO)

Content (W/W): < 25 % CAS Number: 68891-38-3 EC-Number: 500-234-8 Skin Corr./Irrit. 2 Eye Dam./Irrit. 1 Aquatic Acute 2 Aquatic Chronic 3 H318, H315, H412, H401

Specific concentration limit: Eye Dam./Irrit. 2A: 5 - 10 % Eye Dam./Irrit. 1: > 10 %

1-Methoxypropan-2-ol

Content (W/W): < 15 % Flam. Liq. 3 CAS Number: 107-98-2 Acute Tox. 5 (oral)

EC-Number: 203-539-1 STOT SE 3 (drowsiness and dizziness)

INDEX-Number: 603-064-00-3 H226, H303, H336

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. Symptoms of poisoning may occur even after several hours, continue medical observation for at least 48 hours after the accident.

If inhaled:

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

On skin contact:

Immediately wash thoroughly with plenty of water, apply sterile dressings, consult a skin specialist.

On contact with eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

Date / Revised: 02.12.2022 Version: 1.0

Product: Basta 200 SL

(ID no. 30746379/SDS_CPA_ZA/EN)

Date of print 19.02.2025

On ingestion:

Do not induce vomiting. 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., vomiting, diarrhea, abdominal cramps, tremors, hypotension (low blood pressure), weakness, unconsciousness, coma, convulsions, respiratory arrest, nausea, tachycardia, Symptoms may be delayed for several hours.

Indication of any immediate medical attention and special treatment needed

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote. Administer activated charcoal. If necessary, give oxygen. Monitor respiratory, cardiac and central nervous system. Medical monitoring for at least 24-48 hours.

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, nitrogen oxides, sulfur oxides, Phosphorus 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:

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

Date / Revised: 02.12.2022 Version: 1.0

Product: Basta 200 SL

(ID no. 30746379/SDS_CPA_ZA/EN)

Date of print 19.02.2025

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:

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

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: 36 Months

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

77182-82-2: Ammonium 2-amino-4-(hydroxymethylphosphinyl)butyrate
TWA value 0.33 mg/m3 (BASF recomm. occupational exposure limit)

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)

Date / Revised: 02.12.2022 Version: 1.0

Product: Basta 200 SL

(ID no. 30746379/SDS_CPA_ZA/EN)

Date of print 19.02.2025

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: light blue

Odour: faint odour, pungent

Odour threshold:

Not determined due to potential health hazard by inhalation.

nealth hazard by inhalati

approx. 4.5 - 6.5

(20 °C)

Melting point: approx. 0 °C

Information applies to the solvent.

Boiling point: approx. 100 °C

Information applies to the solvent.

Flash point:

pH value:

Non-flammable.

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: 440 °C

(Directive 92/69/EEC, A.15)

The product has not been tested.

The statement has been derived from substances/products of a similar

structure or composition.

Vapour pressure: approx. 23 hPa

(20 °C)

Information applies to the solvent.

Date / Revised: 02.12.2022 Version: 1.0

Product: Basta 200 SL

(ID no. 30746379/SDS_CPA_ZA/EN)

Date of print 19.02.2025

Density: approx. 1.11 g/cm3

(20 °C)

Relative vapour density (air):

not applicable

Solubility in water: soluble

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

not applicable

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Viscosity, dynamic: 64.8 mPa.s (DIN 51562)

(20 °C)

The value was determined by calculation from the detected

kinematic viscosity.

Explosion hazard: not explosive (Directive 92/69/EEC, A.14) Fire promoting properties: not fire-propagating (Regulation 440/2008/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

Avoid excessive temperatures. Avoid direct sunlight. 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:

Ammonia, anhydrous

11. Toxicological Information

Information on toxicological effects

Acute toxicity

Date / Revised: 02.12.2022 Version: 1.0

Product: Basta 200 SL

(ID no. 30746379/SDS_CPA_ZA/EN)

Date of print 19.02.2025

Assessment of acute toxicity:

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

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

LC50 rat (by inhalation): > 5.25 mg/l 4 h

LD50 rat (dermal): > 1,000 - < 2,000 mg/kg

Irritation

Assessment of irritating effects:

Eye contact causes irritation. Skin contact causes irritation.

Experimental/calculated data:

Skin corrosion/irritation rabbit: Irritant.

Serious eye damage/irritation rabbit: Irritant.

Respiratory/Skin sensitization

Assessment of sensitization:

Sensitization after skin contact possible.

Experimental/calculated data:

Mouse Local Lymph Node Assay (LLNA) mouse: 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. 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: glufosinate ammonium (ISO); ammonium 2-amino-4-

(hydroxymethylphosphinyl)butyrate

Assessment of reproduction toxicity:

Causes impairment of fertility in laboratory animals.

Date / Revised: 02.12.2022 Version: 1.0

Product: Basta 200 SL

(ID no. 30746379/SDS_CPA_ZA/EN)

Date of print 19.02.2025

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: glufosinate ammonium (ISO); ammonium 2-amino-4-

(hydroxymethylphosphinyl)butyrate

Assessment of teratogenicity:

The substance did not cause malformations in animal studies; however, toxicity to development was observed at doses that were toxic to the parental animals.

Specific target organ toxicity (single exposure)

Assessment of STOT single:

A single exposure may have relevant toxic effects on organs.

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: glufosinate ammonium (ISO); ammonium 2-amino-4-

(hydroxymethylphosphinyl)butyrate

Assessment of repeated dose toxicity:

Prolonged or repeated exposure may cause neurological disturbances.

Information on: 1-Methoxypropan-2-ol

Assessment of repeated dose toxicity:

No adverse effects were observed after repeated dermal exposure in animal studies. The substance may cause damage to the liver after repeated inhalation of high doses. The substance may cause damage to the liver after repeated ingestion of high doses, as shown in animal studies.

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

Toxicity

Date / Revised: 02.12.2022 Version: 1.0

Product: Basta 200 SL

(ID no. 30746379/SDS_CPA_ZA/EN)

Date of print 19.02.2025

Assessment of aquatic toxicity:

Toxic to aquatic life with long lasting effects.

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

Toxicity to fish:

LC50 (96 h) 21.41 mg/l, Brachydanio rerio

Aquatic invertebrates:

EC50 (48 h) 61.83 mg/l, daphnia

Aquatic plants:

EC50 (96 h) 8.28 mg/l, Pseudokirchneriella subcapitata

No observed effect concentration (96 h) 0.56 mg/l, Pseudokirchneriella subcapitata

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: glufosinate ammonium (ISO); ammonium 2-amino-4-

(hydroxymethylphosphinyl)butyrate

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: glufosinate ammonium (ISO); ammonium 2-amino-4-

(hydroxymethylphosphinyl)butyrate

Bioaccumulation potential:

Bioconcentration factor: < 1, Lepomis macrochirus

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: glufosinate ammonium (ISO); ammonium 2-amino-4-

(hydroxymethylphosphinyl)butyrate

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.

Results of PBT and vPvB assessment

Date / Revised: 02.12.2022 Version: 1.0

Product: Basta 200 SL

(ID no. 30746379/SDS_CPA_ZA/EN)

Date of print 19.02.2025

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. (GLUFOSINATE AMMONIUM)

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. (GLUFOSINATE AMMONIUM)

Transport hazard class(es): 9, EHSM

Packing group:

Environmental hazards: yes

Special precautions for None known

Date / Revised: 02.12.2022 Version: 1.0

Product: Basta 200 SL

(ID no. 30746379/SDS_CPA_ZA/EN)

Date of print 19.02.2025

user:

Inland waterway transport

ADN

UN number or ID number: UN3082

UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

N.O.S. (GLUFOSINATE AMMONIUM)

Transport hazard class(es): 9, EHSM Packing group: III

Environmental hazards: yes Special precautions for Nor

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. (GLUFOSINATE AMMONIUM)

Transport hazard class(es): 9, EHSM Packing group: III Environmental hazards: yes

Marine pollutant: YES

Special precautions for

user:

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. (GLUFOSINATE AMMONIUM)

Transport hazard class(es): 9, EHSM Packing group: III Environmental hazards: ves

Special precautions for None known

user:

Maritime transport in bulk according to IMO instruments

Maritime transport in bulk is not intended.

Date / Revised: 02.12.2022 Version: 1.0

Product: Basta 200 SL

(ID no. 30746379/SDS_CPA_ZA/EN)

Date of print 19.02.2025

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 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

Skin Corr./Irrit. Skin corrosion/irritation

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

Skin Sens. Skin sensitization
Repr. Reproductive toxicity

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

Flam. Liq. Flammable liquids

H360 May damage fertility. Suspected of damaging the unborn child.

H302 + H312 + H332 Harmful if swallowed, in contact with skin or if inhaled

H370 Causes damage to organs (Nervous system).

H373 May cause damage to organs (Nervous system) through prolonged or

repeated exposure.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H318 Causes serious eye damage.

H315 Causes skin irritation.

H412 Harmful to aquatic life with long lasting effects.

H401 Toxic to aquatic life.

H226 Flammable liquid and vapour.
H303 May be harmful if swallowed.
H336 May cause drowsiness or dizziness.

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.

Page: 15/15

Safety data sheet according to UN GHS 4th rev. Date / Revised: 02.12.2022 Product: **Basta 200 SL** Version: 1.0

(ID no. 30746379/SDS_CPA_ZA/EN)

Date of print 19.02.2025

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