

# Safety data sheet

Page: 1/13

Safety data sheet

Date / Revised: 11.08.2023

Product: **Basagran**

Version: 3.0

(30035190/SDS\_CPA\_CO/EN)

Date of print 15.10.2025

## 1. Substance/preparation and company identification

### Basagran

Major Recommended Uses:

Use: crop protection product, herbicide

Company:

Contact address:

BASF Quimica Colombiana S.A.

Calle 99, 69C - 32

Bogota, COLOMBIA

Telephone: +57 601 6342042

E-mail address: ehs-bcn@basf.com

Emergency information:

CISPROQUIM: 018000916012

Telephone: +57 601 6342002 / +55 12 3128-1590

## 2. Hazards Identification

### Classification of the substance or mixture

According to UN GHS criteria

Acute toxicity: Cat. 4 (oral)

Serious eye damage/eye irritation: Cat. 2B

Skin sensitization: Cat. 1

Reproductive toxicity: Cat. 2 (unborn child)

Hazardous to the aquatic environment - acute: Cat. 1

Hazardous to the aquatic environment - chronic: Cat. 2

### Label elements

Safety data sheet  
Date / Revised: 11.08.2023  
Product: **Basagran**

Version: 3.0

(30035190/SDS\_CPA\_CO/EN)

Date of print 15.10.2025

According to UN GHS criteria

## Pictogram:



## Signal Word:

Warning

## Hazard Statement:

H320	Causes eye irritation.
H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H361	Suspected of damaging the unborn child.
H411	Toxic to aquatic life with long lasting effects.
H400	Very toxic to aquatic life.

## 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.
P261	Avoid breathing mist or vapour or spray.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P272	Contaminated work clothing should not be allowed out of the workplace.
P270	Do not eat, drink or smoke when using this product.
P264	Wash contaminated body parts thoroughly after handling.

## Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P333 + P313	If skin irritation or rash occurs: Get medical attention.
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P330	Rinse mouth.
P308 + P313	IF exposed or concerned: Get medical attention.
P362 + P364	Take off 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):

Safety data sheet  
Date / Revised: 11.08.2023  
Product: **Basagran**

Version: 3.0

(30035190/SDS\_CPA\_CO/EN)

Date of print 15.10.2025

P501

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

### Other hazards

According to UN GHS criteria

Other Hazards (GHS):

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.

Assessment PBT / vPvB:

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

## 3. Composition/Information on Ingredients

### Mixtures

Chemical nature

crop protection product, herbicide, Soluble concentrate (SL)

Hazardous ingredients (GHS)

According to UN GHS criteria

bentazone sodium tech.

Content (W/W): 44 %  
CAS Number: 50723-80-3  
EC-Number: 256-735-4

Acute toxicity: Cat. 4 (oral)  
Serious eye damage/eye irritation: Cat. 2B  
Skin sensitization: Cat. 1  
Hazardous to the aquatic environment - acute:  
Cat. 1  
Reproductive toxicity: Cat. 2 (unborn child)  
Hazardous to the aquatic environment - chronic:  
Cat. 2  
H320, H302, H317, H361, H411, H400

Inert ingredients

Content (W/W): 56 %

For hazard statements not written out in full in this section, the full text is listed in section 16.

## 4. First-aid measures

General advice:

Remove contaminated clothing.

Persons giving assistance must wear personal protective equipment while giving assistance to prevent exposure. Use adequate protective clothing, protective gloves, eye protection and respiratory protection. Look for an emergency medical service taking the packaging, label and the agricultural prescription.

If inhaled:

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

Keep patient calm, remove to fresh air. Immediate medical attention required.

On skin contact:

| Wash thoroughly with soap and water

Remove contaminated clothes. Wash affected areas thoroughly with soap and water.

On contact with eyes:

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

In case of eye contact, wash them immediately with running water, during 15 minutes and look for a doctor immediately. Avoid the not affected eye contact with the contaminated running water.

On ingestion:

In case of accidental ingestion, do not induce vomit. Find a doctor, immediately. Take the label and the agricultural prescription. If the vomit occurs naturally, place the person in stable sideways position (recovery position).

Do not give anything for eating or drinking.

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

Note to physician:

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

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

---

## 5. Fire-fighting measures

Suitable extinguishing media:

water spray, foam, dry powder, carbon dioxide

Specific hazards:

carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides

The substances/groups of substances mentioned can be released in case of fire.

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.

Safety data sheet  
Date / Revised: 11.08.2023  
Product: **Basagran**

Version: 3.0

(30035190/SDS\_CPA\_CO/EN)

Date of print 15.10.2025

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

---

## 6. Accidental release measures

Personal precautions, protective equipment and emergency 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 drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

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. Wear suitable protective equipment.

---

## 7. Handling and storage

### Handling

Technical 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.

Fire and explosion protection:

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

Precautions/ Advice on 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.

Specific hygiene measures:

Store work clothing separately. Keep away from food, drink and animal feeding stuffs.

### Storage

Technical measures:

Storage stability:

If an expiry date is mentioned on the packaging/label this takes priority over the statements on storage duration in this safety data sheet.

Protect from temperatures below: 0 °C

The product can crystallize below the limit temperature.

Safety data sheet  
Date / Revised: 11.08.2023  
Product: **Basagran**

Version: 3.0

(30035190/SDS\_CPA\_CO/EN)

Date of print 15.10.2025

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.

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

Incompatible products and materials:  
Segregate from foods and animal feeds.

---

## 8. Exposure controls and personal protection

### Specific control parameters

Components with occupational exposure limits:

| No substance specific occupational exposure limits known.

### Personal protective equipment

Eye protection:

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

Skin and 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).

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.

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).

---

## 9. Physical and chemical properties

State of matter:	liquid (20 °C)
Form:	liquid
Colour:	yellow to red to brown
Odour:	fruity, faint odour
pH value:	approx. 6 - 7 (CIPAC standard water D, 1 %(m), 20 °C)
Specific temperatures or temperature ranges at which changes in physical state occur	
Melting point:	approx. 0 °C (1.013,3 hPa) Information applies to the solvent.

Safety data sheet  
Date / Revised: 11.08.2023  
Product: **Basagran**

Version: 3.0

(30035190/SDS\_CPA\_CO/EN)

Date of print 15.10.2025

Boiling point:	approx. 100 °C (1.013,3 hPa) Information applies to the solvent.	
Flash point:	No flash point - Measurement made up to the boiling point.	(ISO 2719)
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.	
Thermal decomposition:	160 °C, 190 kJ/kg, (DSC (OECD 113)) Heat rate: 3 K/min (onset temperature) Not a substance liable to self-decomposition according to UN transport regulations, class 4.1.	
SADT:	> 75 °C	
Explosion hazard:	Based on the chemical structure there is no indication of explosive properties.	
Fire promoting properties:	Based on its structural properties the product is not classified as oxidizing.	
Vapour pressure:	approx. 23,4 hPa Information applies to the solvent.	
VOC content:	No data available.	
Relative vapour density (air):	not applicable	
Density:	approx. 1,19 g/cm <sup>3</sup> (20 °C)	(OECD Guideline 109)
Relative density:	No data available.	
Solubility in water:	fully soluble	
Partitioning coefficient n-octanol/water (log Pow):	The statements are based on the properties of the individual components.	
<i>Information on: 3-Isopropyl-1H-2,1,3-benzothiadiazin-4(3H)-one 2,2-dioxide, sodium salt</i> <i>Partitioning coefficient n-octanol/water (log Pow): 0,77</i> <i>(pH value: 5)</i>		
-----		
Self-ignition temperature:	555 °C	(Directive 92/69/EEC, A.15)
Self ignition:	No data available.	
Odour threshold limit value:	Not determined due to potential health hazard by inhalation.	

Safety data sheet  
Date / Revised: 11.08.2023  
Product: **Basagran**

Version: 3.0

(30035190/SDS\_CPA\_CO/EN)

Date of print 15.10.2025

Evaporation rate:

not applicable

Flammability:

not applicable

Viscosity, dynamic:

approx. 9 mPa.s

(OECD 114)

(20 °C, 100 1/s)

5,3 mPa.s

(40 °C, 100 1/s)

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.

Hazardous reactions:

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

Conditions to avoid:

See SDS section 7 - Handling and storage.

Incompatible materials and substances:

strong bases, strong acids, strong oxidizing agents

Hazardous decomposition products:

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

---

## 11. Toxicological information

### Acute toxicity

Assessment of acute toxicity:

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

LD50 rat, male/female(oral): &gt; 1.000 - &lt; 2.000 mg/kg (OECD Guideline 401)

LC50 rat, male/female (by inhalation): &gt; 4,8 mg/l 4 h (OECD Guideline 403)

No mortality was observed. An aerosol was tested.

LD50 rat, male/female (dermal): &gt; 4.000 mg/kg (OECD Guideline 402)

No mortality was observed.

### Local effects

Assessment of irritating effects:

Eye contact causes irritation. Not irritating to the skin.



Primary skin irritation rabbit: non-irritant

Eye irritation rabbit: Irritant.

### Assessment other acute effects

Assessment other acute effects:

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.

### Sensitization

Assessment of sensitization:

Sensitization after skin contact possible. The product has not been tested. The statement has been derived from the properties of the individual components.

| *Information on: 3-Isopropyl-1H-2,1,3-benzothiadiazin-4(3H)-one 2,2-dioxide, sodium salt*

| *Guinea pig maximization test guinea pig: skin sensitizing (OECD Guideline 406)*

### Genetic toxicity

Assessment of mutagenicity:

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

### Carcinogenicity

Assessment of carcinogenicity:

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

### Reproductive toxicity

Assessment of reproduction toxicity:

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

### 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: 3-Isopropyl-1H-2,1,3-benzothiadiazin-4(3H)-one 2,2-dioxide, sodium salt*

*Assessment of teratogenicity:*

Safety data sheet  
Date / Revised: 11.08.2023  
Product: **Basagran**

Version: 3.0

(30035190/SDS\_CPA\_CO/EN)

Date of print 15.10.2025

*Indications of possible developmental toxicity/teratogenicity were seen in animal studies. The substance did not cause malformations in animal studies. When given in high doses fetotoxicity was observed.*

-----

### Repeated dose toxicity

Assessment of repeated dose toxicity:

No substance-specific organotoxicity was observed after repeated administration to animals. The product has not been tested. The statement has been derived from the properties of the individual components.

### Aspiration Hazard

Assessment of 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

Possible environmental effects, behaviour and fate

### Ecotoxicity

Assessment of aquatic toxicity:

Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

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

*Information on: 3-Isopropyl-1H-2,1,3-benzothiadiazin-4(3H)-one 2,2-dioxide, sodium salt*

*Toxicity to fish:*

*LC50 (96 h) > 100 mg/l, Oncorhynchus mykiss (EPA 72-1, static)*

-----

*Information on: 3-Isopropyl-1H-2,1,3-benzothiadiazin-4(3H)-one 2,2-dioxide, sodium salt*

*Aquatic invertebrates:*

*EC50 (48 h) > 100 mg/l, Daphnia magna (OECD Guideline 202, part 1)*

-----

*Information on: 3-Isopropyl-1H-2,1,3-benzothiadiazin-4(3H)-one 2,2-dioxide, sodium salt*

*Aquatic plants:*

*EC50 (72 h) 34,5 mg/l (growth rate), Pseudokirchneriella subcapitata*

*EC10 (72 h) 9 mg/l, Pseudokirchneriella subcapitata*

*EC50 (14 d) 0,595 mg/l, aquatic plant*

Safety data sheet  
Date / Revised: 11.08.2023  
Product: **Basagran**

Version: 3.0

(30035190/SDS\_CPA\_CO/EN)

Date of print 15.10.2025

| *EC10 (14 d) 0,172 mg/l, aquatic plant*

| *No observed effect concentration 0,278 mg/l, aquatic plant*

| *EC50 (14 d) 3,48 mg/l, aquatic plant*

*EC10 (14 d) 0,5 mg/l, aquatic plant*

| *Information on: 3-Isopropyl-1H-2,1,3-benzothiadiazin-4(3H)-one 2,2-dioxide, sodium salt*  
*Chronic toxicity to fish:*

*No observed effect concentration (35 d) > 9,16 mg/l, Pimephales promelas*

| *Information on: 3-Isopropyl-1H-2,1,3-benzothiadiazin-4(3H)-one 2,2-dioxide, sodium salt*  
*Chronic toxicity to aquatic invertebrates:*

*No observed effect concentration (21 d), > 91,6 mg/l, Daphnia magna*

## Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):

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

| *Information on: 3-Isopropyl-1H-2,1,3-benzothiadiazin-4(3H)-one 2,2-dioxide, sodium salt*  
*Assessment biodegradation and elimination (H<sub>2</sub>O):*

*Not readily biodegradable (by OECD criteria).*

## Bioaccumulation

Assessment bioaccumulation potential:

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

| *Information on: 3-Isopropyl-1H-2,1,3-benzothiadiazin-4(3H)-one 2,2-dioxide, sodium salt*  
*Bioaccumulation potential:*

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

## 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: 3-Isopropyl-1H-2,1,3-benzothiadiazin-4(3H)-one 2,2-dioxide, sodium salt*  
*Assessment transport between environmental compartments:*

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

Safety data sheet  
Date / Revised: 11.08.2023  
Product: **Basagran**

Version: 3.0

(30035190/SDS\_CPA\_CO/EN)

Date of print 15.10.2025

### Additional information

Other ecotoxicological advice:

Do not discharge product into the environment without control.

## 13. Disposal considerations

Methods for safe and environmentally preferred disposal

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

Product residues: 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

Hazard Class: 9  
Packing group: III  
UN Number: 3082  
Hazard label: 9  
Risk Number: 90  
Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S. (3-ISOPROPYL-1H-2,1,3-BENZOTHIADIAZIN-4(3H)-ONE  
2,2-DIOXIDE, SODIUM SALT)

### Waterway Transport

IMDG  
Hazard class: 9  
Packing group: III  
UN Number: 3082  
Hazard label: 9, EHSM  
Marine pollutant: YES  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S. (3-ISOPROPYL-1H-2,1,3-BENZOTHIADIAZIN-4(3H)-ONE  
2,2-DIOXIDE, SODIUM SALT)

### Air transport

IATA/ICAO  
Hazard class: 9  
Packing group: III  
UN Number: 3082

Safety data sheet  
Date / Revised: 11.08.2023  
Product: **Basagran**

Version: 3.0

(30035190/SDS\_CPA\_CO/EN)

Date of print 15.10.2025

Hazard label: 9, EHSM  
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S. (3-ISOPROPYL-1H-2,1,3-BENZOTHIADIAZIN-4(3H)-ONE  
2,2-DIOXIDE, SODIUM SALT)

**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)

**Additional Information**

Classification of land transport generated according to the criteria of Decree 1609:2002.

---

## 15. Regulatory information

**Other regulations**

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

---

## 16. Other information

No data available.

Full text of hazard statements, if mentioned in section 3:

H320	Causes eye irritation.
H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H361	Suspected of damaging the unborn child.
H411	Toxic to aquatic life with long lasting effects.
H400	Very toxic to aquatic life.

---

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. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.