

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## CLEANCROP BRONCO

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	13.04.2021	000000000000105905	Date of first issue: 13.04.2021
		Region: GB	Print Date: 19.05.2021
		Language: EN	

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name : CLEANCROP BRONCO  
Product code : 000000000000105905

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

Use of the Sub-stance/Mixture : Herbicide  
Uses advised against : No data available.

#### 1.3 Details of the supplier of the safety data sheet

Company : HELM AG  
Nordkanalstrasse 28  
20097 Hamburg  
Telephone : +49/40/23750  
Telefax : +49/40/23751845  
E-mail address of person responsible for the SDS : SDB@HELMAG.COM

#### 1.4 Emergency telephone number

For medical advice (in German and English):  
+49 (0)551 192 40 (Giftinformationszentrum Nord)  
In case of transport incidents and other emergencies:  
+44 (0) 1235 239 670 (NCEC, National Chemical Emergency Centre)

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Long-term (chronic) aquatic hazard, Category 3 : H412: Harmful to aquatic life with long lasting effects.

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

Hazard statements : H412 Harmful to aquatic life with long lasting effects.  
Supplemental Hazard Statements : EUH210 Safety data sheet available on request.  
EUH401 To avoid risks to human health and the environ-

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



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Version 1.0      Revision Date: 13.04.2021      SDS Number: 000000000000105905      Date of last issue: -  
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ment, comply with the instructions for use.

Precautionary statements : **Prevention:**  
P273 Avoid release to the environment.  
**Disposal:**  
P501 Dispose of contents/ container to an approved waste disposal plant.

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : Aqueous solution

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
N-(phosphonomethyl)glycine, compound with 2-propylamine (1:1)	38641-94-0 254-056-8 - -	Aquatic Chronic2; H411	>= 50 - < 70
isopropylamine	75-31-0 200-860-9 612-007-00-1 -	Flam. Liq.1; H224 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335	>= 1 - < 10
lauryldimethylbetaine	683-10-3 211-669-5 - -	Skin Corr.1B; H314	>= 1 - < 3
dodecyldimethylamine	112-18-5 203-943-8 - -	Acute Tox.4; H302 Skin Corr. 1B; H314 Eye Dam. 1; H318 Aquatic Acute 1; H400	>= 0.25 - < 1

For the full text of the H-Statements mentioned in this Section, see Section 16.

# SAFETY DATA SHEET

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## CLEANCROP BRONCO

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---

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- General advice : Take off all contaminated clothing immediately.  
Call a doctor immediately if allergic signs, particularly in the respiratory tract, are observed.  
When symptoms persist or in all cases of doubt seek medical advice.  
Symptoms of poisoning may appear several hours later.
- If inhaled : If inhaled, remove to fresh air.
- In case of skin contact : In case of skin contact  
Wash off with plenty of water.
- In case of eye contact : In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Protect unharmed eye.
- If swallowed : Rinse mouth with water.  
Do NOT induce vomiting.  
Never give anything by mouth to an unconscious person.

#### 4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : No information available.

#### 4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : Treat symptomatically.

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### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

- Suitable extinguishing media : Alcohol-resistant foam  
Dry chemical  
Carbon dioxide (CO<sub>2</sub>)  
Water spray
- Unsuitable extinguishing media : High volume water jet

#### 5.2 Special hazards arising from the substance or mixture

- Specific hazards during fire-fighting : Combustion products of this material have to be classed invariably as respiratory poison.
- Hazardous combustion prod- : In the event of fire, the following can be released:

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## CLEANCROP BRONCO

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---

ucts	Carbon dioxide (CO <sub>2</sub> ) Carbon monoxide
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### 5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

Further information : Cool endangered containers with water spray jet.

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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Refer to protective measures listed in sections 7 and 8.

### 6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system. Do not allow uncontrolled discharge of product into the environment. Inform the responsible authorities in case of gas leakage, or of entry into waterways, soil or drains.

### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

### 6.4 Reference to other sections

Information regarding safe handling, see chapter 7. For personal protection see section 8. For disposal considerations see section 13.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Handle with care. Avoid inhalation, ingestion and contact with skin and eyes. Provide sufficient air exchange and/or exhaust in work rooms.

Advice on protection against fire and explosion : Keep away from heat and sources of ignition.

Hygiene measures : Avoid contact with skin, eyes and clothing. Contaminated work clothing should not be allowed out of the workplace. Wash hands before breaks and at the end of workday. Wash hands

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## CLEANCROP BRONCO

Version	Revision Date:	SDS Number:	Date of last issue: -
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		Language: EN	

---

before eating, drinking, or smoking.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep containers tightly closed in a dry, cool and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep in properly labelled containers.

Advice on common storage : Substances to be avoided, pls. See chapter 10.

### 7.3 Specific end use(s)

Specific use(s) : No data available.

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

#### Engineering measures

Effective exhaust ventilation system

Maintain air concentrations below occupational exposure standards.

#### Personal protective equipment

Eye protection : Safety glasses with side-shields  
Equipment should conform to EN 166

Hand protection

Remarks : Protective gloves complying with EN 374.  
Gloves must be inspected prior to use.  
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.  
Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Skin and body protection : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.  
Preventive skin protection

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## CLEANCROP BRONCO

Version	Revision Date:	SDS Number:	Date of last issue: -
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Respiratory protection : Apply technical measures to comply with the occupational exposure limits.  
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

Form	:	liquid
Colour	:	colourless to pale yellow
Odour	:	No data available
Odour Threshold	:	No data available
pH	:	ca. 4.4 (20 °C) Concentration: 100 % Method: CIPAC MT 75.3
Melting point/freezing point	:	No data available
Boiling point/boiling range	:	No data available
Flash point	:	Method: EEC A9 does not flash
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Vapour pressure	:	No data available
Relative vapour density	:	No data available
Relative density	:	No data available
Density	:	ca. 1.2 g/cm <sup>3</sup> (20 °C) Method: EEC A3

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## CLEANCROP BRONCO

Version	Revision Date:	SDS Number:	Date of last issue: -
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		Region: GB	Print Date: 19.05.2021
		Language: EN	

---

Solubility(ies)	
Water solubility	: No data available
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Viscosity	
Viscosity, dynamic	: 27.3 mPa.s (40 °C) Method: CIPAC MT 192
Viscosity, kinematic	: No data available
Explosive properties	: Not explosive
Oxidizing properties	: no
Particle size	: Not applicable

### 9.2 Other information

No data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

### 10.4 Conditions to avoid

Conditions to avoid : None known.

### 10.5 Incompatible materials

Materials to avoid : None known.

### 10.6 Hazardous decomposition products

None, when used as directed.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## CLEANCROP BRONCO

Version	Revision Date:	SDS Number:	Date of last issue: -
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		Language: EN	

---

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

##### Acute toxicity

###### Product:

Acute oral toxicity	:	LD50: > 2,000 mg/kg Method: OECD Test Guideline 423
Acute inhalation toxicity	:	LC50 (Rat): > 4.4 mg/l Test atmosphere: Mist Method: OECD Test Guideline 403 Remarks: highest checkable concentration  Remarks: No mortality.
Acute dermal toxicity	:	LD50: > 2,000 mg/kg Method: OECD Test Guideline 402

###### Components:

**N-(phosphonomethyl)glycine, compound with 2-propylamine (1:1), CAS: 38641-94-0, EINECS: 254-056-8**

Acute oral toxicity	:	LD50 (Rat): > 5,000 mg/kg Remarks: Source: Toxnet
Acute inhalation toxicity	:	LC50 (Rat): > 1.3 mg/l Exposure time: 4 h Test atmosphere: Dust Remarks: Based on available data, the classification criteria are not met. Source: Toxnet
Acute dermal toxicity	:	LD50 (Rabbit): > 5,000 mg/kg Remarks: Source: Toxnet

##### Skin corrosion/irritation

###### Product:

Species	:	Rabbit
Method	:	OECD Test Guideline 404
Result	:	No skin irritation

##### Serious eye damage/eye irritation

###### Product:

Species	:	Rabbit
Method	:	OECD Test Guideline 405



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## CLEANCROP BRONCO

Version	Revision Date:	SDS Number:	Date of last issue: -
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		Region: GB	Print Date: 19.05.2021
		Language: EN	

Result : No eye irritation

### Respiratory or skin sensitisation

#### Product:

Exposure routes : Dermal  
Species : Guinea pig  
Method : OECD Test Guideline 406  
Result : non-sensitizing

### Further information

#### Product:

Remarks : When handled appropriately adverse health effects are not to be expected.  
Handle in accordance with good industrial hygiene and safety practice.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Product:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata): 38.2 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

EC50 (Navicula pelliculosa (Freshwater diatom)): 40.4 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

ErC50 (Skeletonema costatum (marine diatom)): 45.3 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

#### Components:

**N-(phosphonomethyl)glycine, compound with 2-propylamine (1:1), CAS: 38641-94-0, EINECS: 254-056-8**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 2.3 mg/l  
Exposure time: 96 h

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## CLEANCROP BRONCO

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	13.04.2021	000000000000105905	Date of first issue: 13.04.2021
		Region: GB	Print Date: 19.05.2021
		Language: EN	

Remarks: Source: Toxnet

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 3 mg/l  
Exposure time: 48 h  
Remarks: Source: Toxnet

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

#### Components:

**N-(phosphonomethyl)glycine, compound with 2-propylamine (1:1), CAS: 38641-94-0, EINECS: 254-056-8**

Partition coefficient: n-octanol/water : log Pow: -5.4  
Remarks: Source: Toxnet

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

#### Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6 Other adverse effects

#### Product:

Environmental fate and pathways : Do not allow uncontrolled discharge of product into the environment.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : In accordance with local and national regulations. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

Contaminated packaging : Packaging that is not properly emptied must be disposed of as the unused product.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## CLEANCROP BRONCO

Version	Revision Date:	SDS Number:	Date of last issue: -
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		Region: GB	Print Date: 19.05.2021
		Language: EN	

---

### SECTION 14: Transport information

#### 14.1 UN number

Not regulated as a dangerous good

#### 14.2 UN proper shipping name

Not regulated as a dangerous good

#### 14.3 Transport hazard class(es)

Not regulated as a dangerous good

#### 14.4 Packing group

Not regulated as a dangerous good

#### 14.5 Environmental hazards

Not regulated as a dangerous good

#### 14.6 Special precautions for user

Not applicable

#### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

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### SECTION 15: Regulatory information

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59) : Not listed

REACH - List of substances subject to authorisation (Annex XIV) : Not listed

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not listed

Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Not listed

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

Not applicable

#### The components of this product are reported in the following inventories:

TCSI : Not in compliance with the inventory

TSCA : Product contains substance(s) not listed on TSCA inventory.

AICS : Not in compliance with the inventory

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## CLEANCROP BRONCO

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	13.04.2021	000000000000105905	Date of first issue: 13.04.2021
		Region: GB	Print Date: 19.05.2021
		Language: EN	

---

DSL	:	This product contains one or several components that are not on the Canadian DSL nor NDSL.
ENCS	:	Not in compliance with the inventory
ISHL	:	Not in compliance with the inventory
KECI	:	Not in compliance with the inventory
PICCS	:	Not in compliance with the inventory
IECSC	:	Not in compliance with the inventory
NZIoC	:	Not in compliance with the inventory

### 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

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## SECTION 16: Other information

### Sources of key data used to compile the Safety Data Sheet

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.  
EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU  
National Threshold Limit Values of the corresponding countries as amended in each case.  
Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.  
The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

### Full text of H-Statements

H224	:	Extremely flammable liquid and vapour.
H302	:	Harmful if swallowed.
H314	:	Causes severe skin burns and eye damage.
H315	:	Causes skin irritation.
H318	:	Causes serious eye damage.
H319	:	Causes serious eye irritation.
H335	:	May cause respiratory irritation.
H400	:	Very toxic to aquatic life.
H411	:	Toxic to aquatic life with long lasting effects.

### Full text of other abbreviations

Acute Tox.	:	Acute toxicity
Aquatic Acute	:	Short-term (acute) aquatic hazard
Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Eye Dam.	:	Serious eye damage
Eye Irrit.	:	Eye irritation
Flam. Liq.	:	Flammable liquids
Skin Corr.	:	Skin corrosion
Skin Irrit.	:	Skin irritation
STOT SE	:	Specific target organ toxicity - single exposure

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



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ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

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This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

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