

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)

BONTUR

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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING.

1.1 Product identifier.

Product Name: BONTUR
Product Code: CIE4006A (PP-124G)
Registry Number: ES-01208
UFI: EH30-N0M2-D00G-X8NY

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

Growth regulator for professional use in agriculture.

Uses advised against:

Professional use in agriculture. It should not be used for purposes other than those advised and identified on the product label.

1.3 Details of the supplier of the safety data sheet.

Company: **QEMETICA Agricultural Solutions Spain S.L.U.**
Address: Calle Valle del Roncal 12, Planta 1ª, Oficina 7
City: 28232 - Las Rozas
Province: Madrid
Telephone: + 34 916 266 097
Web: www.qemetica-agro.es

The email address of the person responsible for the security data sheet: sds@qemetica.com

1.4 Emergency telephone number:

National Institute of Toxicology (24h): 915 620 420.

Information in Spanish (24h/365 days). Only for the purpose of providing health response in case of emergency.

SECTION 2: HAZARDS IDENTIFICATION.

2.1 Classification of the substance or mixture.

In accordance with Regulation (EC) No 1272/2008:

Eye Irrit. 2: Causes serious eye irritation.

Skin Sens. 1: May cause an allergic skin reaction.

Aquatic Chronic 3: Harmful to aquatic life with long-lasting effects.

2.2 Label elements.

Labelling in accordance with Regulation (EC) No 1272/2008:

Pictograms:



Signal Word:

Warning

Hazard statements:

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H412: Harmful to aquatic life with long-lasting effects.

Precautionary statements:

P261: Avoid breathing dust/fume/gas/mist/vapors/spray.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352: IF ON SKIN: Wash with plenty of water and soap.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501: Dispose of contents/container in accordance with hazardous waste regulations.

Supplemental hazard statements:

EUH066: Repeated exposure may cause skin dryness or cracking.

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EUH401: To avoid risks to human health and the environment, comply with the instructions for use.

SP phrases:

SP1: DO NOT CONTAMINATE WATER WITH THE PRODUCT OR ITS CONTAINER. (Do not clean application equipment near surface water/Avoid contamination via farmyard drainage systems or roads).

SPe 3: To protect aquatic organisms, leave an untreated buffer zone of 5 m adjacent to surface water bodies.

Additional regulatory note:

Any activity involving this preparation must comply with the conditions set out in Articles 31, 32, and 33 of Royal Decree 1311/2012, which establishes the framework for achieving sustainable use of plant protection products.

For more details on risk mitigation during handling and environmental risk mitigation, see the label.

The container must not be reused.

Restricted to professional users only.

2.3 Other hazards.

The mixture does not contain substances classified as PBT (Persistent, Bioaccumulative and Toxic).

The mixture does not contain substances classified as vPvB (very Persistent and very Bioaccumulative).

The mixture does not contain substances with endocrine disrupting properties.

Under normal conditions of use and in its original form, the product has no other adverse effects on health and the environment..

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS.

3.1 Substances.

Not Applicable.

3.2 Mixtures.

Substances posing a danger to health or the environment in accordance with the Regulation (EC) No. 1272/2008, assigned a Community exposure limit in the workplace, and classified as PBT/vPvB or included in the Candidate List:

Identifiers	Name	Concentrate	(*)Classification - Regulation (EC) No 1272/2008	
			Classification	Specifics concentration limits and Acute toxicity estimate
Index No.: 603-096-00-8 CAS No.: 112-34-5 EC No.: 203-961-6 Registration No.: 01-2119475104-44-XXXX	[1] [2] 2-(2-butoxyethoxy)ethanol, monobutyl ether of diethylene glycol.	10 - 100 %	Eye Irrit. 2, H319	-
CAS No.: 77-06-5 EC No.: 201-001-0	(3S,3aS,4S,4aS,6S,8aR,8bR,11S)-6,11-dihydroxy-3-methyl-12-methylene-2-oxo-4a,6-ethano-3,8b-prop-1-enoperhydroindeno[1,2-b]furan-4-carboxylic acid	1 - 10 %	Eye Irrit. 2, H319	-
N. CAS: 128-37-0 N. CE: 204-881-4 N. registro: 01-2119565113-46-XXXX	2,6-di-tert-butyl-p-cresol	0.25 - 2.5 %	Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	-

(*) The complete text of the H phrases is given in section 16 of this Safety Data Sheet.

[1] Substance with a national workplace exposure limit (see section 8.1).

SECTION 4: FIRST AID MEASURES.

4.1 Description of first aid measures.

If in doubt, or if symptoms of discomfort persist, seek medical attention. Never administer anything by mouth to an unconscious person.

Inhalation.

Place the casualty in the open air, keep warm and at rest, if breathing is irregular or stops, give artificial respiration.

Eye contact.

Remove contact lenses, if worn and easy to do. Flush eyes thoroughly with clean, cool water for at least 10 minutes, pulling up the eyelids and seek medical attention. Do not allow the person to rub the affected eye.

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Skin contact.

Remove contaminated clothing. Wash skin vigorously with soap and water or a suitable skin cleanser. NEVER use solvents or thinners.

Ingestion.

If accidentally swallowed, seek medical attention immediately. Keep at rest. NEVER induce vomiting.

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

Irritant, repeated or prolonged contact with skin or mucous membranes may cause redness, blistering or dermatitis, inhalation of spray mist or airborne particles may cause respiratory tract irritation, some symptoms may not be immediate.

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

If in doubt, or if symptoms of discomfort persist, seek medical attention. Never administer anything by mouth to an unconscious person. Cover the affected area with a dry sterile dressing. Protect the affected area from pressure or friction.

SECTION 5: FIREFIGHTING MEASURES.

The product is NOT classified as flammable, in case of fire, the following measures must be followed:

5.1 Extinguishing media.

Suitable extinguishing media:

Extinguisher powder or CO2. In case of more serious fires, also alcohol-resistant foam and water spray.

Unsuitable extinguishing media:

Do not use a direct stream of water to extinguish. In the presence of electrical voltage, you cannot use water or foam as extinguishing media.

5.2 Special hazards arising from the substance or mixture.

Special risks.

Exposure to combustion or decomposition products can be harmful to your health.

5.3 Advice for firefighters.

Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways. Product residues and extinguishing media may contaminate the aquatic environment.

Fire protection equipment.

According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and boots.

SECTION 6: ACCIDENTAL RELEASE MEASURES.

6.1 Personal precautions, protective equipment and emergency procedures.

For exposure control and individual protection measures, see section 8.

6.2 Environmental precautions.

Product dangerous for the environment, in case of large spills or if the product contaminates lakes, rivers, or sewers, inform the responsible authorities according to local legislation. Prevent the contamination of drains, surface or subterranean waters, and the ground.

6.3 Methods and material for containment and cleaning up.

Contain and collect spillage with inert absorbent material (earth, sand, vermiculite, diatomaceous earth...) and clean up the area immediately with a suitable decontaminant.

Dispose of waste in closed containers suitable for disposal in accordance with local and national regulations (see section 13).

6.4 Reference to other sections.

For exposure control and individual protection measures, see section 8.

For later elimination of waste, follow the recommendations under section 13.

SECTION 7: HANDLING AND STORAGE.

7.1 Precautions for safe handling.

For personal protection, see section 8.

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In the application area, smoking, eating, and drinking must be prohibited.

Follow legislation on occupational health and safety.

Never use pressure to empty the containers. They are not pressure-resistant containers. Keep the product in containers made of a material identical to the original.

7.2 Conditions for safe storage, including any incompatibilities.

Store according to local legislation. Observe indications on the label. Store the containers between 5 and 25 °C, in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorised persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

The product is not affected by Directive 2012/18/EU (SEVESO III).

7.3 Specific end use(s).

Not available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

8.1 Control parameters.

Occupational exposure limit for:

Name	N. CAS	Country	Limit value	ppm	mg/m ³
2-(2-butoxyethoxy)ethanol, monobutyl ether of diethylene glycol.	112-34-5	European Union [1]	Eight hours	10	67,5
			Short term	15	101,2

[1] COMMISSION DIRECTIVE 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work (Official Journal of the European Communities L 142/47 of 16.6.2000, as amended).

The product does NOT contain substances with Biological Limit Values.

8.2 Exposure controls.

Measures of a technical nature:

Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.

Concentration:	100 %				
Uses:	Fungicide for professional use in agriculture.				
Respiratory protection:					
PPE:	Filtering facepiece respirator for gases and particles.				
Characteristics:	Marked «CE», Category III. Must provide a wide field of vision and a tight seal.				
CEN Standards:	EN 136, EN 140, EN 405				
Maintenance:	Do not store in places exposed to high temperatures or humid environments before use. Special attention should be paid to the condition of the inhalation and exhalation valves of the facepiece adapter.				
Remarks:	The manufacturer's instructions regarding the use and maintenance of the equipment must be read carefully. The necessary filters should be fitted to the equipment according to the specific risk characteristics (Particles and aerosols: P1-P2-P3, Gases and vapors: A-B-E-K-AX), changing them as advised by the manufacturer.				
Required filter type:	AP2				
Hand protection:					
PPE:	Protective gloves against chemicals.				
Characteristics:	Marked «CE», Category III.				
CEN Standards:	EN 374-1, En 374-2, EN 374-3, EN 420				
Maintenance:	They must be stored in a dry place, away from possible sources of heat, and exposure to sunlight should be avoided as much as possible. No modifications should be made to the gloves that could alter their resistance, nor should paints, solvents, or adhesives be applied.				
Remarks:	The gloves must be of the correct size and fit the hand without being too loose or too tight. They should always be worn with clean and dry hands.				
Material:	PVC (polyvinyl chloride)	Breakthrough time (min):	> 480	Material thickness (mm):	0,35
Eye protection:					
Wear safety goggles or face shield.					
Skin care:					
PPE:	Work footwear.				
Characteristics:	Marked "CE", Category II.				

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CEN Standards:	EN ISO 13287, EN 20347
Maintenance:	These items adapt to the shape of the first user's foot. For this reason, and for hygiene purposes, their reuse by another person should be avoided.
Remarks:	Professional work footwear incorporates protective elements designed to protect the user from injuries that could result from accidents. It is necessary to review the tasks for which this footwear is suitable.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

9.1 Information on basic physical and chemical properties.

Physical state: Liquid
Color: Colorless
Odor: Slight odor
Odor threshold: Not available
Melting point: Not available
Freezing point: Not available
Boiling point/initial boiling point and boiling range: Not available
Flammability: Not applicable (Not required as the formulation does not contain flammable liquid ingredients.)
Lower explosion limit: Not available
Upper explosion limit: Not available
Flash point: >100°C (EEC A9 and ASTM D93 methods)
Auto-ignition temperature: 209.8 ± 4.2°C (ASTM-E 659-78 (2005), EEC A15 (at 755.8 mmHg))
Decomposition temperature: Not available
pH: 3.7 (1%) (CIPAC MT 75.3 at 20.9 °C)
Kinematic viscosity:
6.97 × 10⁻⁶ m²/s at 20°C
4.63 × 10⁻⁶ m²/s at 40°C
(OECD 114, ISO 3104, ISO 3105)
Solubility: Not available
Water solubility: Not available
Fat solubility: Not available
Partition coefficient (n-octanol/water) (log value): Not available
Vapor pressure: Not available
Absolute density: Not available
Relative density:
D20 = 0.9590 ± 0.0003
(0.9590 ± 0.0003 g/ml at 20 °C)
(CIPAC MT 3, EEC A3, OECD 109, ISO 758)
Vapor density: Not available
Particle characteristics: Not applicable (Not required for an SL formulation).

9.2 Other information

Information with regard to physical hazard classes

Explosives:
Explosive properties: Not explosive
Oxidizing solids:
Oxidizing properties: Not oxidizing.

Other safety characteristics

Viscosity: Not available.
Drop point: Not available.
Spark (flash): Not available.
% Solids: Not available.

SECTION 10: STABILITY AND REACTIVITY.

10.1 Reactivity.

The product does not present hazards by their reactivity.

10.2 Chemical stability.

Stable under the recommended handling and storage conditions (see section 7)

10.3 Possibility of hazardous reactions.

The product does not present the possibility of hazardous reactions.

10.4 Conditions to avoid.

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Avoid any incorrect handling.

10.5 Incompatible materials.

Keep away from oxidizing agents and strongly alkaline or acidic materials to avoid exothermic reactions.

10.6 Hazardous decomposition products.

Does not decompose when used for the intended purposes.

SECTION 11: TOXICOLOGICAL INFORMATION.

IRRITATING MIXTURE. Splashes in eyes may cause eye irritation.

11.1 Information on hazard classes as defined in Regulation (EC) N° 1272/2008.

No tested data available for the product.

Repeated or prolonged contact with the product may cause removal of skin fat, leading to non-allergic contact dermatitis and absorption of the product through the skin.

a) acute toxicity;
Inconclusive data for classification.

LD50 Oral (Rat): > 2000 mg/kg bw (Not classified)
LD50 Dermal (Rat): > 2000 mg/kg (Not classified)
LC50 Inhalation (Rat): > 4.78 mg/L air (Not classified)

b) skin corrosion/irritation;
Inconclusive data for classification.

c) serious eye damage/irritation;
Product classified:
Eye irritation, Category 2: Causes serious eye irritation.

d) respiratory or skin sensitisation;
Product classified:
Skin sensitiser, Category 1: May cause an allergic skin reaction.

e) germ cell mutagenicity;
Inconclusive data for classification.

f) carcinogenicity;
Inconclusive data for classification.

g) reproductive toxicity;
Inconclusive data for classification

h) STOT-single exposure;
Inconclusive data for classification.

i) STOT-repeated exposure;
Inconclusive data for classification.

j) aspiration hazard;
Inconclusive data for classification.

11.2 Information on other hazards.

Endocrine disrupting properties

This product does not contain components with endocrine-disrupting properties with effects on human health.

Other information

There is no information available on other adverse health effects.

SECTION 12: ECOLOGICAL INFORMATION.

12.1 Toxicity.

Data on gibberellic acid

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Fish (*Oncorhynchus mykiss*) – Acute 96-hour LC50 (mg/L): >120
Aquatic invertebrates (*Daphnia magna*) – Acute 48-hour EC50 (mg/L): 76
Algae (*Pseudokirchneriella subcapitata*) – Acute 72-hour EC50, growth (mg/L): 17.0

12.2 Persistence and degradability.

Gibberellic acid
Soil degradation (days) (aerobic): DT50 = 0.31

12.3 Bioaccumulative potential.

Information on bioaccumulation of the substances present.

Name	Bioaccumulation			
	Log Kow	BCF	NOECs	Level
Gibberellic acid	0,72 20 °C, pH=7	-	-	Very low

12.4 Mobility in soil.

No information available on mobility in soil.
The product must not be allowed to enter sewers or watercourses.
Avoid penetration into the ground.

12.5 Results of PBT and vPvB assessment.

No information available on the PBT and vPvB assessment of the product.

12.6 Endocrine disrupting properties.

This product does not contain components with endocrine-disrupting properties for the environment.

12.7 Other adverse effects.

No information available on other adverse environmental effects.

SECTION 13: DISPOSAL CONSIDERATIONS.

13.1 Waste treatment methods.

Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation.
Follow the provisions of Directive 2008/98/EC regarding waste management.

SECTION 14: TRANSPORT INFORMATION.

Not dangerous in transport. In case of accident and spillage of the product proceed according to point 6.

14.1 UN number or ID number.

Non-hazardous in transport.

14.2 UN proper shipping name.

Description:
ADR/RID: Not dangerous for transport.
IMDG: Not dangerous for transport.
ICAO/IATA: Not dangerous for transport.

14.3 Transport hazard class(es).

Non-hazardous in transport.

14.4 Packing group.

Non-hazardous in transport.

14.5 Environmental hazards.

Non-hazardous in transport.
Transport by ship, FEm - Emergency sheets (F - Fire, S - Spills): Not applicable

14.6 Special precautions for user.

Non-hazardous in transport.

14.7 Maritime transport in bulk according to IMO instruments.

Non-hazardous in transport.

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SECTION 15: REGULATORY INFORMATION.

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

The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

Product classification according to Annex I of Directive 2012/18/EU (SEVESO III): N/A

The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products.

The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

DIRECTIVE 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work (fourteenth individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC).

REGULATION (EC) No 1107/2009 of the European Parliament and of the Council of 21 October 2009 concerning the placing of plant protection products on the market and repealing Council Directives 79/117/EEC and 91/414/EEC.

REGULATION (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

ROYAL DECREE 840/2015, of 21 September, approving measures to control the risks inherent to serious accidents involving hazardous substances.

ROYAL DECREE 656/2017, of 23 June, approving the Regulation on the Storage of Chemical Products and its Complementary Technical Instructions MIE APQ 0 to 10.

ROYAL DECREE 1311/2012, of 14 September, establishing the framework for action to achieve a sustainable use of plant protection products.

15.2 Chemical safety assessment.

A chemical safety assessment of the product has not been carried out.

SECTION 16: OTHER INFORMATION.

Complete text of the H phrases that appear in section 3:

H319: Causes serious eye irritation.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long-lasting effects.

Classification codes:

Aquatic Acute 1: Acute aquatic toxicity, Category 1

Aquatic Chronic 1: Chronic aquatic toxicity, Category 1

Aquatic Chronic 3: Chronic aquatic toxicity, Category 3

Eye Irrit. 2: Eye irritation, Category 2

Skin Sens. 1: Skin sensitiser, Category 1

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Physical hazards On basis of test data

Health hazards Calculation method

Environmental hazards Calculation method

It is advisable to carry out basic training with regard to health and safety at work in order to handle this product correctly.

Abbreviations and acronyms used:

BCF: Bioconcentration Factor

CEN: European Committee for Standardization.

DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.

DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.

EC50: Half maximal effective concentration.

PPE: Personal protection equipment.

LC50: Lethal concentration, 50%.

LD50: Lethal dose, 50%.

NOEC: No Observed Effect Concentration.

Key literature references and sources for data:

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(in accordance with Regulation (EU) 2020/878)

QEMETICA®
Agricultural Solutions

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<http://eur-lex.europa.eu/homepage.html>

<http://echa.europa.eu/>

Regulation (EU) 2020/878.

Regulation (EC) No 1907/2006.

Regulation (EC) No 1272/2008.

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemical substances and mixtures (REACH).

The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.