

BREAKOUT POWDER

SAFETY DATA SHEET

Conforms to Regulation (EC) n°1907/2006 (REACH)

SECTION 1. Identification of the substance/mixture and of the company/enterprise

1.1 Product identifier

Product name : **BREAKOUT POWDER**
Product code : BOP
Product type : water-soluble, mineral fertilizer

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

1.2.1 Relevant identified uses

Main use category : Consumer use, Professional use.
Use of the substance / mixture : Fertilizer

1.2.2 Uses advised against

No additional information available.

1.3 Details of the supplier of the safety data sheets

1.3.1 Address of the manufacturer / supplier

IB.ECO B.V.
Industrieterrein De Horsel
Daelderweg 22
6361 HK NUTH
Netherlands
Phone : +31 (0)45 5778305 - Fax : +31 (0)45 5778306
Website : www.ibeco.nl

1.3.2 E-mail address of the person responsible for this SDS

info@ibeco.nl

1.4 Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Remark
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA Belfast	0344 892 0111	Only for the purpose of informing medical personnel in cases of acute intoxications
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	Only for the purpose of informing medical personnel in cases of acute intoxications

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SECTION 2. Hazards identification

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No. 1272/2008 (CLP)

Classification : Not classified

2.1.2 Classification according to Directive 1999/45/EC [DPD]

Classification : Not classified

Human health hazards : None in particular

2.1.3 Physicochemical effects, human health & the environment

No additional information available

2.2 Label elements

2.2.1 Labelling in accordance with Regulation (EC) n°1272/2008 (CLP)

Hazard pictograms : Non applicable.

Signal word : Non applicable.

Hazardous component(s) : Non applicable.

Hazard statements : Non applicable.

2.2.2 Precautionary statements

Prevention : P101 – If medical advice is needed, have product container or label at hand.
: P102 – Keep out of reach of children.

Response : Non applicable

2.3 Other Hazards

2.3.1 Substance/mixture meets the criteria for PBT according to Regulation (EC) No 1907/2006, Annex XIII

Non applicable.

2.3.2 Substance/mixture meets the criteria for vPvB according to Regulation (EC) No 1907/2006, Annex XIII

Non applicable.

2.3.3 Other hazards which do not give rise to a classification

Non applicable.

SECTION 3. Composition / information on ingredients

3.1 Substances

Non applicable.

3.2 Mixtures

Nom	Identifiers	%	Classification according to Regulation (EC) No. 1272/2008
* Citric acid	(n°CAS) : 77-92-9 (n°EC) : 201-069-1 (N° REACH = RRN) : 01-2119457026-42	5-10	Xi; R36 Eye Irrit. 2, H319

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SECTION 4. First aid measures

4.1 Description of first aid measures

General advice:

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation:

Assure fresh air breathing. Allow the victim to rest.

Direct contact with skin (of the pure product):

Take off contaminated clothes, wash skin with plenty of water or have a shower (during minimum 15 minutes) and if necessary take medical advice.

Direct contact with eyes (of the pure product):

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, consult a specialist.

Ingestion:

Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

4.3 Indication of any immediate medical attention and special treatment needed

No additional information available.

SECTION 5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Non applicable.

5.2 Special hazards arising from the substance or mixture

Fire hazards : Non combustible.

Explosion hazardous : No direct explosion hazard.

5.3 Advice for firefighters

Special precautions and protective equipment for fire-fighters :

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Emergency procedures : Evacuate personnel to a safe area.:

6.1.2 For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

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6.2 Environmental precautions

Prevent entry to sewers and public waters. If the product enters drains or sewers the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the National Rivers Authority.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : On land, sweep or shovel into suitable containers. Store away from other materials.

6.4 Reference to other sections

Exposure controls and personal protection. refer to chapter 8.

SECTION 7. Handling and storage

7.1 Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool well ventilated place. Keep away from heat and direct sunlight. Keep container closed when not in use.
Incompatible products : Strong bases. Strong acids.
Incompatible materials : Remove all sources of ignition. Protect material from direct sunlight.

7.3 Specific end use(s)

No additional information available.

SECTION 8. Exposure control / individual protection

8.1 Control parameters

No additional information available.

8.2 Exposure controls

Personal protective equipment : Avoid all unnecessary exposure.
Hand protection : Wear protective gloves.
Eye protection : Safety glasses.
Respiratory protection : Respiratory protection not required in normal conditions.
Other information : Do not eat, drink or smoke during use.

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SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical and chemical properties	Value	Determination method
State of matter	Solid	
Color	Pink	
Odor	Odorless	
Odor threshold	Not determined	
pH	6-8	
Relative evaporation rate (butylacetate=1)	Not determined	
Melting point/freezing point	160 °C	
Freezing point	Not determined	
Boiling point	Not determined	
Flash point	Not determined	
Auto-ignition temperature	Not determined	
Decomposition temperature	Not determined	
Flammability (solid, gas)	Not determined	
Vapor pressure	Not determined	
Relative vapor density at 20 °C	Not determined	
Relative density	Not determined	
Density	1,85 g/cm ³	
Solubility in water	100% soluble	
Log Pow	Not determined	
Viscosity, kinematic	Not determined	
Viscosity, dynamic	Not determined	
Explosive properties	Not determined	
Oxidizing properties	Not determined	
Explosive limits	Not determined	

9.2 Other information

No additional information available.

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SECTION 10. Stability and reactivity

10.1 Reactivity

The product is stable under normal conditions of use and storage

10.2 Chemical stability

Not established

10.3 Possibility of hazardous reactions

Not established

10.4 Conditions to avoid

Extremely high or low temperatures. Keep out of direct sunlight.

10.5 Incompatible materials

Strong acids. Strong bases.

10.6 Hazardous decomposition products

No additional information available.

SECTION 11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity : Not classified

Citric acid (77-92-9)	
LD50 oral rat	5400 mg/kg
LD50 dermal rabbit	2000 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met
pH: 6 – 8

Serious eye damage/irritation : Not classified
pH: 6 – 8

Respiratory or skin sensitization : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (single exposure) : Not classified
Based on available data, the classification criteria are not met

Specific target organ toxicity (repeated exposure) : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met

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SECTION 12. Ecological information

12.1 Toxicity

No additional information available

12.2 Persistence and degradability

Break Out	
Persistence and degradability	Not established.

12.3 Bioaccumulative potential

Break Out	
Bioaccumulative potential	Not established.
Citric acid (77-92-9)	
Bioaccumulative potential	Bioaccumulation: not applicable.

12.4 Mobility in soil

No additional information available.

12.5 Results of PBT and vPvB assessment

Break Out
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6 Other adverse effects

Avoid release to the environment.

SECTION 13. Disposal considerations

13.1 Waste treatment methods

Waste disposal recommendations
Ecology - waste materials

: Dispose in a safe manner in accordance with local/national regulations.
: Avoid release to the environment.

SECTION 14. Transport information

Requirements for transport of dangerous goods according to ADR,RID,ADN, IMDG, ICAO/IATA regulations

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
None	None	None	None	None
14.5. Environmental hazards				
Environment: No	Environment: No Marine pollutant: No	Environment: No	Environment: No	Environment: No
No supplementary information available				

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14.6 Special precautions for user

14.6.1 Inland waterway transport

Not subject of ADN : No

14.6.2. Rail transport

Carriage prohibited (RID) : No

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and he IBC Code

Not applicable.

SECTION 15. Regulatory information

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

15.1.1 EU Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list $\geq 0,1\%$ / SCL

15.1.2 National regulations

No additional information available

15.2 Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16. Other information

16.1 Indication of changes

Version	: 2.0
Date of revision	: 01/11/2018
Date of issue	: 01/11/2018
Replaces version	: 1.0
Indication of changes	: In accordance with Commission Regulation (EU) n°1907/2006 (REACH), Annex II, modified by regulation (EU) n°2015/830. - new version in accordance to suppliers information
Source	: ECHA Website http://echa.europa.eu/

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16.2 Abbreviations and acronyms

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

CAS = Chemical Abstracts Service

CLP = Classification, Labelling and Packaging

EC = European Community

EN = European Norm

EUH = European Hazard Statement

GHS = Globally Harmonised System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IMDG = International Maritime Dangerous Goods

MARPOL 73/78 = Marine Pollution, the International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978

PBT = Persistent, Bioaccumulative, Toxic

REACH = Registration, Evaluation and Autorisation of Chemicals

RID = Regulations concerning the International Carriage of Dangerous Goods by Rail

RRN = REACH Registration Number

STEL = Short Term Exposure Limit

TWA = Time weighted Average

TLM = Tolerance Limit Median

vPvB = very Persistent, very Bioaccumulative.

16.3 Relevant R-phrases and/or H statements

H319 – Causes serious eye damage.

P101 – If medical advice is needed, have product container or label at hand.

P102 – Keep out of reach of children.

Eye Irrit. 2 - Serious eye damage/eye irritation, Category 2

R36 – Irritating to skin

EUH 031 – Contact with acids liberates toxic gas

Xi - Irritant

16.4 Training advice

The staff handling this product, must be informed of the precautionary recommended measures and should have access to this information.

16.5 Further information

The information in this Safety Data Form is given in good faith and belief in its accuracy based on our knowledge of the substance/preparation concerned at the date of publication. It does not imply the acceptance of any legal liability or responsibility whatsoever by IBECO B.V. for the consequences of its use or misuse in any particular circumstances. In no case does this dispense the user of the product from compliance with all laws, decrees and regulations existing relative to the product and to health and hygiene and work safety standards. Drawn up according to the provisions of form EFMA (European Fertilizer Manufacturers' Association), and according to ECHA.