

# NutriCrab Pro

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH), (EU) 2020/878

Revision date: 26/02/2024

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Version: 2.0



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

#### 1.1. Product identifier

Trade name:	NutriCrab Pro
Synonyms:	Crab hydrolysate
CAS-No.	-
EC-No.	-

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

Relevant identified uses:	Aquaculture feed, food and pet food
Uses advised against:	No additional information available

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

Nutrishell AS  
P.O. Box 1212 Torgarden  
7462 Trondheim  
Norway  
Tel: +47 41607740  
E-mail: post@nutrishell.no

#### 1.4. Emergency telephone number

Norway: Giftinformasjon +47 22 59 13 00

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

**Classification according to Regulation (EC) No. 1272/2008 (CLP):**  
Not classified.

#### 2.2. Label elements

**Labelling according to Regulation (EC) No. 1272/2008 (CLP):**  
No labelling applicable.

#### 2.3. Other hazards

Other hazards not contributing to the classification:	May form combustible dust concentrations in air.
PBT / vPvB:	This substance does not meet the PBT/vPvB criteria of REACH regulation, annex XIII.
Endocrine disrupting properties:	The substance does not contain endocrine disruptors above 0.1%, according to (EU) 2017/2100 or (EU) 2018/605.

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Name:	Crab hydrolysate
CAS-no.:	-

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EC-no.: -

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general:	In case of doubt or persistent symptoms, consult always a physician.
In case of inhalation:	Remove person to fresh air and keep comfortable for breathing. In the event of breathing difficulties, get medical advice/attention immediately.
In case of skin contact:	Wash skin with soap and water.
In case of contact with eyes:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Obtain medical attention if pain, blinking or redness persists.
In case of ingestion:	Normally not necessary. If ingested by individual allergic to crustaceans, seek medical attention immediately.

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

In case of inhalation:	Persons with crustacean allergy may get an allergic reaction if inhaled. In high concentrations: May cause slight irritation.
In case of skin contact:	Dust may irritate the skin in a mechanical way.
In case of contact with eyes:	Dust may irritate eyes mechanically.
In case of ingestion:	Persons with crustacean allergy may get an allergic reaction if swallowed.

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

Other information:	Treat symptomatically.
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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media:	Foam. Water spray.
Unsuitable extinguishing media:	Do not use straight streams.

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

Fire hazard:	Combustible. May form combustible dust concentrations in air.
Hazardous decomposition products in case of fire:	May include: Carbon oxides (CO, CO <sub>2</sub> ).

#### 5.3. Advice for firefighters

Precautionary measures fire:	Use water stream to cool containers.
Protection during firefighting:	Wear a self-contained breathing apparatus (SCBA) and appropriate personal protective equipment (PPE).

### SECTION 6: Accidental release measures

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

General measures:	Ventilate spillage area. Avoid dust production. Remove ignition sources. Use personal protective equipment as required. Refer to section 8.
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#### 6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters

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

Methods for cleaning up:	Mechanically recover the product. Avoid dust production. Small amounts: Wipe up using moist disposable cloth.
Other information:	Dispose of materials or solid residues at an authorized site. Refer to section 13.

### 6.4. Reference to other sections

For further information refer to section 8 and 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed:	May form combustible dust concentrations in air.
Precautions for safe handling:	Ensure good ventilation of the processing area. Mechanical ventilation is recommended. Always store the product in original packaging to protect from oxygen. Avoid dust production. Do not breath dust. Avoid contact with skin and eyes. Keep away from heat, sparks and open flames. Remove ignition sources. Use personal protective equipment as required. Refer to section 8.
Hygiene measures:	Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse.

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

Storage conditions:	Store only in original packaging. Store in a cool area. Keep away from heat and direct sunlight.
Incompatible materials:	Strong oxidizing agents.

### 7.3. Specific end use(s)

See section 1.2.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Workplace exposure limit:

Crab meal	
Organic dust (total dust)	No data available

Regulatory reference:	FOR 2011-12-06 nr. 1358, Regulations concerning Action and Limit values (Norway)
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### 8.2. Exposure controls

#### Appropriate engineering controls:

Appropriate engineering controls:	Provide adequate general and local exhaust ventilation. Personal protective equipment must be chosen on the basis of the risk assessment. The supplier of the protective equipment can assist in the evaluation and choice of the equipment.
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#### Eye / face protection:

Eye protection:	In case of dust production: Protective goggles.
Standard:	EN 166

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### Hand protection:

Suitable gloves:	Wear gloves suitable for the work operation.
Breakthrough time:	Not relevant. The product is solid.
Glove thickness:	Not relevant.
Standard:	EN 374

### Skin protection:

Suitable protective clothing:	Long sleeved protective clothing.
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### Respiratory protection:

Respiratory protection:	Dust production: Dust mask with filter type P2.
Standard:	EN 143

### Environmental exposure controls:

Avoid release to the environment.

### Other information:

Eye wash station should be available at the workplace.

## SECTION 9: Physical and chemical properties

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

Physical state:	Solid
Appearance:	Powder
Colour:	Pale brown
Odour:	Fishy. Crab.
Melting point / freezing point:	Not applicable
Boiling point:	Not applicable
Flammability:	No data available
Explosion limit:	No data available
Flash point:	Not applicable
Auto-ignition temperature:	160 °C (volume: 5.3 litres) / 207.5 °C (volume: 0.1litres)
Decomposition temperature:	No data available
pH:	Not applicable
Kinematic viscosity:	Not applicable
Solubility:	No data available
Partition coefficient n-octanol/water (Log Pow):	No data available
Vapour pressure:	Not applicable
Density / relative density:	No data available
Relative vapour density:	Not applicable
Particle characteristics:	≤ 1 mm

### 9.2. Other information

Minimum ignition energy:	> 1000 mJ
Dry matter:	97,6 %

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

## 10.2. Chemical stability

Stable under normal conditions of use.

## 10.3. Possibility of hazardous reactions

None under normal use. May form combustible dust concentrations in air.

## 10.4. Conditions to avoid

Protect from sunlight. Avoid heat, flames and other sources of ignition.

## 10.5. Incompatible materials

Strong oxidizing agents.

## 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. See also section 5.2.

# SECTION 11: Toxicological information

## 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

### Acute toxicity

Assessment of classification, acute toxicity (oral),	Not classified. (Based on available data, the classification criteria are not met.)
Assessment of classification, acute toxicity (dermal):	Not classified. (Based on available data, the classification criteria are not met.)
Assessment of classification, acute toxicity (inhalation):	Not classified. (Based on available data, the classification criteria are not met.)

### Skin corrosion / irritation

Assessment of classification:	Not classified. (Based on available data, the classification criteria are not met.)
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### Serious eye damage/ irritation

Assessment of classification:	Not classified. (Based on available data, the classification criteria are not met.)
Supplementary information:	Dust may irritate eyes mechanically.

### Respiratory or skin sensitisation

Assessment of classification:	Not classified. (Based on available data, the classification criteria are not met.)
Supplementary information:	Persons with crustacean allergy may get an allergic reaction if swallowed or inhaled.

### Germ cell mutagenicity

Assessment of classification:	Not classified. (Based on available data, the classification criteria are not met.)
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### Carcinogenicity

Assessment of classification:	Not classified. (Based on available data, the classification criteria are not met.)
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### Reproductive toxicity

Assessment of classification:	Not classified. (Based on available data, the classification criteria are not met.)
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### STOT – single exposure

Assessment of classification: Not classified.  
(Based on available data, the classification criteria are not met.)

### STOT – repeated exposure

Assessment of classification: Not classified.  
(Based on available data, the classification criteria are not met.)

### Aspiration hazard

Assessment of classification: Not classified.  
(Based on available data, the classification criteria are not met.)

## 11.2 Information on other hazards

Endocrine disruptors properties: Not relevant.  
Other information: Prolonged inhalation of high concentration of dust may cause adverse effects on the lungs.

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute): Not classified.  
(Based on available data, the classification criteria are not met.)  
Hazardous to the aquatic environment, long-term (chronic): Not classified.  
(Based on available data, the classification criteria are not met.)

### 12.2. Persistence and degradability

Persistence and degradability: Expected to be biodegradable.

### 12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation.

### 12.4. Mobility in soil

Mobility: No data available.

### 12.5. Results of PBT and vPvB assessment

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

### 12.6. Endocrine disrupting properties

Endocrine disrupting properties: Not relevant.

### 12.7. Other adverse effects

Additional information: No other effects known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods: Non-hazardous waste. Remove to an authorized waste treatment plant.  
Additional information: The stated LoW code is indicative and must be considered in relation to the actual condition of the chemical. The final code must be determined by the user, based on the actual use of the chemical.

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European List of Waste (LoW) code: 02 02 99 - wastes not otherwise specified

### SECTION 14: Transport information

#### 14.1. UN number

Not regulated.

#### 14.2. UN proper shipping name

Not regulated.

#### 14.3. Transport hazard class(es)

Not regulated.

#### 14.4. Packing group

Not regulated.

#### 14.5. Environmental hazards

Not regulated.

#### 14.6. Special precautions for user

Not regulated.

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

Not applicable.

### SECTION 15: Regulatory information

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

EU-Regulations:

No REACH Annex XVII restrictions.

Crab meal is not on the REACH Candidate List.

Crab meal is not on the REACH Annex XIV List.

Crab meal is not subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Crab meal is not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic Pollutants.

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

#### Indication of changes:

Section 1-16.

#### Abbreviations and acronyms:

PBT

Persistent Bioaccumulative Toxic

vPvB

Very Persistent and Very Bioaccumulative

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Data sources:

Safety Data Sheet from the supplier/manufacturer.

Prepared by:

SDS-Chemie, Bente Frogner

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*