

SAFETY DATA SHEET

Shellfish powder



1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Tradename: 0315 Natural shrimp flavouring FG
3493 Shrimp Powder LM
3494 Shrimp Powder HM
3495 Shrimp Powder LM
6004 Shimpshell Powder BB
6006 Shrimpshell powder FG
6009 Shrimpshell powder AG
7315 Scampi powder
7411 Shrimp powder premium
7412 Roasted shrimp powder
7413 Crab powder
41192518 Shrimpshell powder halal
3497Natural aroma of shrimp

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

Ingredients used as flavors and/or fragrance in soup, sauces and bullions

1.3 Details of the supplier of the safety data sheet.

Company	Seagarden AS Husøyveien 278 4262 Avaldsnes Norway
Telephone	0047 52859480
Telefax	004752859490
E-mail address	info@seagarden.no
Responsible/issuing person	Mette Hemnes
Emergency telephone number	+47 52859480

2. Hazards identification

2.1 Classification of the substance or mixture Classification (Regulation (EC) No 1272/2008)

Not a dangerous substance according to GHS

Classification (67/548 / EEC , 1999/45/EC)

Not a hazardous substance or mixture.

2.2 Label elements

Labeling (Regulation (EC) No 1272/2008)

Not a dangerous substance according to GHS

2.3 Other Hazards

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3. Composition/ information on ingredients

3.1 Substances

Chemical name of the substance: Shrimp, crab, ext.
Molecular weight : not determined

CAS-No: 68915-91-3
EINECS-No: 272-814-6
Components with workplace control parameters

Components	EC-No	Concentration%
Sodium Chloride	231-598-3	0-40

3.2 Mixtures

Not applicable, product is a substance.

4. First aid measures

4.1 Description of first aid measures

General advice : Take risk and safety phrases into account

If inhaled : Remove from exposure site to fresh air and kept at rest. Obtain medical advice.

In case of skin contact : Remove contaminated clothes. Wash thoroughly with water (and soap). Contact physician if symptoms persist.

In case of skin contact : Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.

If swallowed : Rinse mouth with water and obtain medical advice.

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

Symptoms : Chills, fever and fever pain, short of breath

Risks : No information available

4.3 Indications of any immediate medical attention and special treatment needed

Treatment : No information available

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Carbon dioxide, dry chemicals , foam.

Unsuitable extinguishing media : Do not use a direct water on burning material

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire : Water may be ineffective.

5.3 Advice for firefighters

Further information : Standard procedure for powder explosion

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6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures.

Personal precautions : Avoid inhalation and contact with eyes. Fresh air mask is required when handling

6.2 Environmental precautions

Environmental precautions : Keep away from drains, surface- and groundwater and soil.

6.3 Methods and materials for containments and cleaning up

Methods for cleaning up : Remove ignition sources. Provide adequate ventilation or exhaust. Avoid excessive inhalation of dust and vapors. Contain and recover free product. Dispose of according to the local regulations.

6.4 Reference to other sections

Prevent spreading over a wide area (e.g. by contaminant og oil barriers).

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Avoid inhalation. Fresh air mask is required when handling.

Advice on protection against fire and explosion : Keep away from ignition sources and naked flame.

7.2 Condition for safe storage, including any incompatibilities

Requirements for storage area
And containers : Store in room temperature, dry, ventilated area away from heat sources. Keep containers tightly closed when not in use.

7.3 Specific end uses

Specific Use(s) : No information available

8. Exposure controls/ personal protection

8.1 Control parameters

Control parameters : No information available.

8.2 Exposure controls

Engineering measures
Where appropriate, use closed systems to transfer and process this material.
If appropriate. Isolate mixing rooms and other areas where the material is openly handled.
Maintain these areas under negative air pressure relative to the rest of the plant.

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Personal protective equipment	: Fresh air mask is required when handling.
Hand protection	: Avoid skin contact over time
Eye Protection	: Use tight-fitting goggles if eye contact might occur.
Hygiene measures	: To the extent deemed appropriate, implement pre-placement and regularly scheduled ascertainment of symptoms and spirometry testing of lung functions for workers who are regularly exposed to this material. To the extent deemed appropriate, use an experienced air sampling expert to identify and measure volatile chemicals that could be present in the workplace air to determine potential exposures and to ensure the continuing effectiveness of engineering controls and operational practices to minimize exposure.
Environmental exposure controls	
General advice	Keep away from drains, surface – and groundwater and soil.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: Solid (powder)
Colour	: Cream – pink/brown
Odour	: Shellfish
Odour threshold	: Not determined
Flash point	: > 100 C
Lower explosion limit	: Not determined
Upper explosion limit	: Not determined
Flammability (solid,gas9	: Can form concentrations of combustible dust in air.
Oxidizing properties	: Not determined
Autoignition temperature	: Not determined
pH	: Not determined
Melting point	: Not determined
Boiling point	: Not determined
Vapor point	: Not determined
Density	: Not determined
Water solubility	: Not determined
Partition coefficient: n- Octanol water	: Not determined
Solubility in other solvents	: Not determined
Viscosity, dynamic	: Not determined
Viscosity, kinematic	: Not determined
Relative vapor density	: Not determined
Evaporation rate	: Not determined

9.2 Other information

Refractive index	: Not determined
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10. Stability and reactivity

10.1 Reactivity

No hazards to be specially mentioned

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10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions.

Hazardous reactions : Note: Presents not significant reactivity hazard, by itself or in contact with water.
Avoid contact with strong acids, alkali or oxidizing agents.

10.4 Conditions to avoid

Conditions to avoid : Direct sources of heat.

10.5 Incompatible materials

Materials to avoid : Avoid contact with strong acids, alkali, or oxidizing agents

10.6 Hazardous decomposition products.

Hazardous decomposition products : Carbon Monoxide and unidentified organic compounds may be formed during combustion.

11. Toxicological information

11.1 Information on toxicological information

Acute toxicity

Skin corrosion/irritation

No information available

Serious eye damage/eye irritation

No information available

Respiratory or skin sensitization

No information available

Germ cell mutagenicity

No information available

Carcinogenicity

No information available

Reproductive toxicity

No information available

Target organ systemic toxicant – single exposure

No information available

Target organ systemic toxicant- repeated exposure

No information available

Aspiration hazard

No information available

12. Ecological information

12.1 Toxicity

12.2 Persistence and degradability

No information available

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12.3 Bioaccumulative potential

No information available

12.4 Mobility in soil

12.5 Result in pbt and vPvB assessment

12.6 Other adverse effect

No information available

13. Disposal considerations

13.1 Water treatment methods

Product : Dispose of according to local regulations. Avoid disposing into drainage systems and into the environment.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

ADR

Not dangerous goods

Environmentally dangerous : No

IATA

Not dangerous goods

IMDG

Not dangerous goods

Special precautions for user : No special precautions required.

15. Regulatory information

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

Labeling – EU directives 67/548/EEC or 1999/45/EC

Additional information : Not a hazardous substance or mixture according to EC- directives 67/548/EEC or 1999/45/EC

Water contaminant class : WGK 1 Slightly water endangering.
Germany

15.2 Chemical Safety Assessment

A Chemical safety assessment has not been carried out for this product.

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16. Other information

In December 2003, the National Institute of Occupational Safety and Health ("NIOSH") published an Alert on preventing lung disease in workers who use or make flavorings (NIOSH Publication number 2004-110).

In august 2004, the United States Flavor and Extract Manufacturers Association (FEMA) issued a report entitled "Respiratory Safety in the Flavor Manufacturing Workplace".

Both of these reports provide recommendations for reducing employee exposure and for medical surveillance in the workplace. The recommendations in these reports are generally applicable to the use of any chemical in the workplace and you are strongly urged to review both of these reports.

The report published by FEMA also contains a list of "high priority" Chemicals. If nay of these chemicals are present in this product at a concentration $\geq 0,1$ % due to an intentional addition be Seagarden AS, the chemical will be identified in this safety data sheet.

According to Regulation (EC) No. 1907/2006 the information in this safety datasheet is based on the properties of the material known to Seagarden at the time of the datasheet was issued. The safety data sheet is intended to provide information for a health and safety assessment of the material and the circumstances, under witch it is packaged, stored or applied in the workplace. For such a safety assessment Seagarden AS holds no responsibility. This document is not intended for quality assurance purposes.