SAFETY DATA SHEET

White Fish powders

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

1.1 Product identifier

Tradename: 0268 Fish Powder SKP
0269 Fish Powder GVP
0270 Fish Powder 50/50
0271 Cod powder premium
0277 Cod Powder
0306 Natural Fish Flavouring FG
1602 Cod powder
1604 Cod stockfish powder
3491 White Fish Powder PM
3492 Codfish powder GV
6003 Arctic Fish powder
6005 Fish supplement powder - Bulk
6007 White fish powder FG
10706 Fish Powder SH

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/or 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

3. Composition/ information on ingredients

3.1 Substances

Chemical name of the substance: White fish powder
Molecular weight : 999 g/mol

CAS-No: 97615-94-6
EINECS-No: 307-382-0
Components with workplace control parameters

Components	EC-No	Concentration%
Sodium Chloride	231-598-3	0-10

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 : No information available

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 jet 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 chemical fire.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures.

Personal precautions : Avoid inhalation and contact with skin and eyes. A self-contained breathing apparatus is recommended in case of a major spill.

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 : Clean up spillage promptly. 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 excessive inhalation of concentrated vapors. Follow good manufacturing practices for housekeeping and personal hygiene.

If appropriate, procedures used during the handling of this material should also be used when cleaning equipment or removing residual from tanks or other containers, especially when steam or hot water is used, as this may increase vapor concentrations in the workplace air.. Keep all heated processes at the lowest necessary temperature in order to minimize missions of volatile chemicals into the air.

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 a cool, dry, ventilated area away from heat sources. Keep containers upright and 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 this material is used or openly handled.
Maintain these areas under negative air pressure relative to the rest of the plant.

Personal protective equipment

Respiratory protection	: Use local exhaust ventilation around open tanks and other open sources of potential exposures in order to avoid excessive inhalation, including places where this material is openly weighed or measured. In addition, use general dilution ventilation of the work area to eliminate or reduce possible worker exposures. No respiratory protection is required during normal operations in a workplace where engineering controls such as adequate ventilation etc. are sufficient. If engineering controls and safe work practices are not sufficient, an approved, properly fitted respirator with organic vapor cartridges or canisters and particulate filters should be used: A) while engineering controls and appropriate safe work practices and/or procedures are being implemented; or b) During short term maintenance procedures when engineering controls are not in normal operation or are not sufficient; or c) if normal operational workplace vapor consecration in the air is increased due to heat; d) during emergencies; or e)if engineering controls and operational practices are not sufficient to reduce airborne concentrations below an established occupational exposure limit.
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 to brown
Odour	: Fish
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
Autoingnition 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

10. Stability and reactivity

10.1 Reactivity
No hazards to be specially mentioned

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

Carcinogencity
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

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 handeling 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 regulations7legislation 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 Germany : WGK 1 Slightly water endangering.

15.2 Chemical Safety Assessment

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

16. Other information

Full text R-phrases referred to under section 2 and 3.

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 >=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.