

MATERIAL SAFETY DATA SHEET**EXS0590IND - NATTIASE by Contek - Fermented Soybean Extract****1. Chemical Product and Company Identification****1.1 Identification of the product**

Identification of the substance: NATTIASE by Contek – Nattokinase, Fermented Soybean Extract

Article Code: EXS0590IND

Product use: Nattiasse by Contek, Fermented Soybean extract is used for health food and pharmaceutical company.

CAS Number: -

1.2 Company supplying plant

Name of Manufacturer	Contek Life Science Co., Ltd.
Company address	4F.No.48, Huaining St., Zhongzheng Dist., 100 Taipei City,
Phone No.	+886-2-2371-5050
Fax No.	+886-2-2371-2043

1.3 Company Identification

Name: PHARMANAGER INGREDIENTS

Address : 24 rue Max Richard – 49100 ANGERS

Telephone n. : (+33) 0241201986

E-mail address of the competent person responsible for the safety data sheet:

a.caillet@pharmanager-ingredients.com

1.4 Emergency telephone number

Emergency telephone: (+33) 0241201986 (available only during office hours)

2. Composition / information on ingredients

Main	Nattokinase (Fermented soybean extract)
Excipient	Maltodextrin



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3. Handling and storage

Handling information	Handle at a well-ventilated place and avoid leaking, spilling and flying. Avoid directly inhaling and skin contacting as much as possible and wear adequate protective equipment (protective gloves, masks or any if required).
Storage information	Store the carton by avoiding direct sunlight at a well-ventilated, dark and cool place or a fixed place in a cold storage chamber. Never place the product in the vicinity of a heat source such as boiler or flammable materials. Seal the carton and internal packaging material tightly to avoid contamination or moisture absorption.
Flash Point	356.9°C
Boiling Point	666.4°C at 760 mmHg

4. First aid mesures

After inhalation	If inhaled, quickly move to area with fresh air. Wear on goggle and wash out the nose with sufficient water. Medical treatments could be needed if present severe symptoms.
After skin contact	Disrobe the affected clothes and rinse the contact area with sufficient water. Medical treatments could be needed if present severe symptoms.
After eye contact	Remove contact lenses and rinse eyes with copious amounts of water. Medical treatments could be needed if present severe symptoms.
After swallowing	If swallowed, wash out the month well with sufficient water. Medical treatments could be needed if present severe symptoms.



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5. Physical and chemical properties

Physical state	Powder
Appearance odor	Fermented smell
Formula	No data available
Melting point/range	No data available
Boiling point/range	No data available
Vapor pressure	No data available
Evaporation rate	No data available
Solubility (in water)	Soluble
Flash point	No data available
Autoignition temperature	No data available

6. Fire-fighting measures

Fire Fighting Method	Generally, extinguish fire with water spray or dry chemical. Extinguish fire from windward side wherever possible.
Extinguishing Media	Water (spray), dry chemical, carbon dioxide and fire foam are effective.



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7. Accidental release measures

For public health	Ventilate well in order to avoid inhalation of dust. Wear protective equipment (protective gloves, spectacles or masks) during operation.
For environment	Pay attention in order to prevent the released product from leaking to public water. In case of leakage, recover the waste as much as possible.
Cleaning / collecting method	Cover the waste with waterproof sheet and collect into a sealed container in order to avoid it release again.

8. Handling

Safe handling	Avoid inhalation, direct contact with skin, eyes and clothing; material may be an irritant.
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9. Exposure controls and personal protection

Permissible concentration	Not specified
Measures for facility	Use a sealed device/equipment/container or package as much as possible for handling. An exhaust ventilation system should be designed and operated when working indoor.
Protective equipment	Wear protective equipment such as chemical-resistant rubber gloves, chemical safety goggles, dust protective masks and protective clothes.

10. Stability and reactivity

Stability	Stable if stored as above instructed.
Thermal decomposition / conditions to be avoided	Protect from direct light and heat.



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11. Toxicological Information

Hazardous property	The product is a well-known food product and is not likely to be hazardous.
Toxicity by single administration	Lethal dose, not less than 5,000 mg/kg (oral administration on rats including male and female, followed under OECD 420)
Toxicity by repeated administration	No observed adverse effect at dosage 62.4, 124.8 and 208 mg/kg (oral administration on rats including male and female, followed under OECD 407)
Irritant property	Direct contact to eye or skin may lead to irritation. It is preferable for those allergic to soybean not to handle this product, as soybean is used during the production

12. Ecological Information

General notes	No data available.
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Disposal properly and keep the surroundings clean

13. Disposal consideration

Dispose of in accordance with prevailing country, federal, state and local regulations.

14. Transport information

Non-hazardous for transport	The according substance is considered to be non-hazardous for transport.
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15. Regulatory information

nattiase is a natural extracted enzyme (nattokinase) from fermented soybean.



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16. Additional information

A. See product specification sheet.

B. The above information is believed to be correct based on our present knowledge but does not purport to be complete.



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