

Safety data sheet

Date of issue: December 6, 2005

1. Identification of the substance/preparation and of the company/undertaking*Identification of the product:*

Name: "ThermaNin", article number B-79804 (0.4 g), B-79810 (1 g), B-79840 (4 g), B-79850 (10 g)

Use of substance/preparation:

Amino acid reagent

*Company/undertaking identification:*Supplier: BVDA International b.v., Postbus 2323, 2002 CH HAARLEM, the Netherlands
Telephone: +31-23-5424708 Fax: +31-23-5322358 e-mail: info@bvda.nl**2. Composition/information on ingredients**

	CAS-Number	% w/w	Symbol	R-phrases	EC-Index-No.
ThermaNin	--	>99	Xn	22-36/37/38	--

(Full text of R-phrases in heading 16)

3. Hazard identification

Harmful if swallowed. Irritating to eyes, respiratory system and skin.

4. First aid measures

After inhalation: fresh air.

After skin contact: wash off with plenty of water. Remove contaminated clothing.

After eye contact: rinse out with plenty of water with the eyelid held wide open. Call in ophthalmologist.

After swallowing: make victim drink plenty of water, induce vomiting, call in physician.

5. Fire fighting measuresSuitable extinguishing media: CO₂ (carbon dioxide), powder.

Unsuitable extinguishing media: water, foam.

Special risks: combustible. Forms explosive mixtures with air on intense heating. Development of hazardous combustion gases or vapours possible in the event of fire.

Special protective equipment for fire fighting: do not stay in dangerous zone without suitable chemical protection clothing and self-contained breathing apparatus.

Other information: prevent fire-fighting water from entering surface water or groundwater

6. Accidental release measures

Person-related precautionary measures: avoid substance contact. Avoid generation of dusts; do not inhale dusts.

Environmental protection measures: do not allow to enter the sewage system, surface water, or ground water.

Procedures for cleaning/absorption: take up dry. Forward for disposal. Clean up affected area.

7. Handling and storage*Handling:* protect from light.*Storage:* tightly closed, dry. In a well-ventilated place. Keep away from sources of ignition and heat. Store at +15°C to +25°C.

8. Exposure controls/personal protection

Personal protective equipment:

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Respiratory protection: required when dusts are generated.

Eye protection: required (wear tight fitting safety glasses).

Skin protection: required (wear gloves and protective clothing)

Industrial hygiene: immediately change contaminated clothing. Apply skin- protective barrier cream. Wash hands and face after working with the substance.

9. Physical and chemical properties

Form: solid

Colour: light yellow

Odour: characteristic

pH value (20°C): not available

Melting temperature/range: 44.3 - 48.3°C

Boiling temperature/range: not available

Ignition temperature: not available

Flash point: not available

Density (20°C): not available

Solubility in water (20°C): not available

10. Stability and reactivity

Conditions to avoid: strong heating. Action of light (decomposition)

Substances to avoid: strong oxidising agents, strong acids, water

Hazardous decomposition products: no information available

11. Toxicological information

After inhalation: irritations of the mucous membranes, coughing, and dyspnoea.

After skin contact: irritations

After eye contact: irritations

After swallowing: irritations of the mucous membranes in the mouth, pharynx, oesophagus and gastrointestinal tract.

After swallowing of large amounts: headache, dizziness, drowsiness and unconsciousness.

Further data: further hazardous properties cannot be excluded. The product should be handled with the care usual when dealing with chemicals.

12. Ecological information

Ecotoxic effects: quantitative data on the ecological effect of this product is not available.

Further ecological data: hazard for drinking water supplies. Do not allow to enter drinking water supplies, sewage systems, groundwater or soil.

13. Disposal considerations

Product:

There are no uniform EC Regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC member countries through corresponding laws and regulations. We recommend that you contact either the authorities in charge or approved waste disposal companies, which will advise you on how to dispose of special waste.

Packaging:

Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.

14. Transport information

Entire package: not subject to transport regulations.

15. Regulatory information

Labelling according to EEC Directives:

Symbols: Xn

Description: harmful

R/S-phrases:

R 22-36/37/38: Harmful if swallowed. Irritating to eyes, respiratory system and skin.

S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

16. Other information

Text of any R-phrases referred to under heading 2:

22	Harmful if swallowed.
36/37/38	Irritating to eyes respiratory system and skin.

The information contained herein characterises the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.