

HYMATO PRODUCTS Production & Trade Ltd.

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Material Safety Data Sheet

HUMINIQUUM DIETARY SUPPLEMENT POWDER

1. IDENTIFICATION OF SUBSTANCE AND COMPANY

1.1 Identification of substance:

Name of substance or agent: HUMINIQUUM humic and fulvic acid based dietary supplement

1.2 Use of substance:

Dietary Supplement

1.3 Identification of company:

Producer:

HYMATO PRODUCTS LTD, Hungary

Company telephone/Fax No.: +3688782701

e-mail: info@hymato.hu

1.4 Emergency telephone number

+36209279148

2. IDENTIFICATION OF HAZARD

2.1 Classification of substance:

The substance is not classified as dangerous to health and environment.

2.2 Dangerous effect on health and environment

The substance powder can cause sensitive individuals eye irritation.

2.3 Other prospective risks

Chronic effects are not known.

3. COMPOSITION / INFORMATION ABOUT COMPONENTS

- Chemical identity and CAS registry No of hazardous ingredients (WHMIS Controlled Products) present at by weight 90%
- Ingredients present on the WHMIS Ingredients Disclosure list at, or above, the minimum concentration specified on the list: NONE
- Ingredients with unknown toxicological properties: NONE
- Ingredients the supplier believes may be harmful: NONE
- generic chemical identity and Registry Number for trade secret ingredients registered under the Hazardous Materials Information Review Commission: NONE
- Exposure limits for ingredients: NONE
- CAS Number: 68131-04-4

4. EMERGENCY INSTRUCTIONS

4.1 General instructions

In case of health troubles find a doctor and provide information from this safety sheet.

4.2 At inhaling

Get rid of the exposing source, provide fresh air for the affected, cleanse mouth with water. Seek medical advice in affection.

4.3 At skin contact

In case of skin contact, rinse skin with stream of water. In case of persistent symptoms, contact a doctor.

4.4 At eye involvement

Wash out the widely open eyes immediately with flowing water for 10 minutes so the water reached under the lids. Seek medical advice in affection.

4.5 At ingestion

Rinse mouth with potable water, then drink ca ½ liter water. Do not evoke vomiting, provide medical care.

4.6 Other data

N/A.

5. FIRE CONTROL MEASURES

5.1 Suitable extinguishers

The substance is not flammable. Use a stream of water, water mist for extinguishing.

5.2 Improper extinguishers

Do not use carbon dioxide or powder appliances for extinguishing for powder material may be blown up, do not use bold stream of water.

5.3 Special risks

In case of fire dangerous flue gases – carbon monoxide, carbon dioxide, .

5.4 Special means of protection for fire-fighters:

Full protective garment, protection of air passages.

6. MEASURES IN CASE OF ACCIDENTAL LEAK

6.1 Safety measures for personal protection

Use personal protective equipment. Avoid skin and eye contact, conform common hygienic measures. Do not eat or smoke while working. Do not use open fire.

6.2 Safety measure for environmental protection

Avoid water and soil contamination.

6.3 Recommended methods for cleaning

In case of leak (spill), remove the spill substance with mechanical means – sweeping, hoovering. Place the residues into a suitable waste container.

7. HANDLING AND STORING

7.1 Handling

7.1.1 Preventive measures for safe substance handling

Handle the product only in designed areas. Prevent dust generation. Drinking, smoking and eating forbidden while working. No special measures are needed at handling.

7.1.2 Preventive measures for environmental protection

Prevent environment contamination.

No special safety measures are needed for handling.

7.2 Storing

Store and stock the substance in original casings, in dry environment and protect it against climatic effects.

7.3 Specific uses

Not any.

8. EXPOSITION CONTROL / PERSONAL PROTECTIVE MEANS

8.1 Exposition limiting values

The control exposition parameters are not defined (Annex No.2 Chemical substances, their hygienic limits and definition procedure (NV No.361/2007 Coll.). The limiting values of the biological exposition tests indicators are not defined either (Annex No.2 Limiting values of biological exposition tests indicators (Regulation No. 432/2003 Coll.).

8.2 Exposition limiting

8.2.1 Workers exposition limiting

Provide sufficient ventilation, local exhaustion is recommended. Provide the people working with the product to use personal protective means and acquainted with the substance character, instruction manual and personal and environmental protection conditions. Contaminated work cloths can be used again after careful cleaning. After the work is completed wash the hands and face with water and soap and treat the hands with a reparable cream.

General personal protective means:

The means of common use for work in chemical industry.

a) Air passages protection: Respirator or facecloth in emergency (when dust particles release)

b) Hands protection: Protective rubber gloves

c) Eye protection: Protective chemical glasses in case of substance eye

penetration

d) Skin protection: Work clothes

8.2.2 Environmental exposition limiting

Protect substance leakage into sewage, underground water and soil.

9. PHYSICAL AND CHEMICAL FEATURES

State (under 20°C):	Solid powder substance
Colour	Black and brown
Odour:	No odour.
pH:	9-10 (10% solution)
Boiling point / Distillation range:	Cannot be defined in the range (30 - 640°C) - <i>EU A.1 method</i>
Melting/freezing point:	Cannot be defined in the range (30 - 640°C) - <i>EU A.2 method</i>
Burning point:	N/a
Flammability:	Substance is not high flammable - <i>EU A.10 method</i>
Explosive features:	Substance is not explosive - <i>EU A.14 method</i>
Oxidative features:	Substance has not got oxidative features- <i>EU A.17 method</i>
Water solubility:	Water soluble
Fat solubility:	N/a
Viscosity:	N/a
Vapour density:	N/a
Evaporation rate:	N/a
Decomposition point:	N/a

Other information: Bulk density 810 g/l

10. RESISTANCE AND REACTIVITY

Chemical stability:

The substance is stable under common conditions of use and storage.

10.1 Conditions which must be prevented

Contact with strong oxidants, risk of explosion danger.

10.2 Materials which must be avoided

Strong oxidants.

10.3 Dangerous decomposition products

Carbon dioxide can release in fire.

11. TOXICOLOGICAL INFORMATION

11.1 Description of exposition symptoms:

Inhalation:

The substance can cause irritation of respiratory organs.

Ingestion:

The substance can cause sensitive individuals irritation of alimentary tract.

Eye contact:

The substance can cause sensitive individuals eye irritation.

Skin contact:

The substance can cause sensitive individuals skin irritation.

11.2 Dangerous effects on health:

11.2.1 Acute toxicity

Acute oral toxicity: LD₅₀ > 2000 mg/kg (rat) – *EU B.1 tris method*

Acute inhalation toxicity: N/a

Skin irritation: The substance has no irritable effects on skin (rabbit) – *EU B.4 method*

Eye irritation: The substance has no irritable effects on eyes (rabbit) – *EU B.5 method*

11.2.4 CMR effects (carcinogenous, mutagenous and toxic for reproduction)

Carcinogeny: N/a

Mutageny: a/ *in vitro*

Ames test (bacterial test of back mutation) negative - *EU B.13/14 method*

Chromosomal aberration test (nonbacterial) negative - *OECD 473 method*

b/ *in vivo*

Negative micronucleus test, *EU B.12 method*

12. Environmental information

12.1 Ecotoxicity:

Environmentally friendly

Alga growth inhibition: N/a

Activated sludge respiration inhibition: - *EU C.11 method* EC₅₀ > 1000 mg/L

Other information:

No toxic effects in the 10-1000 mg/L concentration range have proved on the microbial test.

Adsorption/desorption:

Adsorption coefficient in soil: log K < 1.3 (pH=6.1; 25°C)

Adsorption coefficient in sludge: log K < 1.5 (pH=6.1; 25°C) *EU C.19 method*

12.3 Persistence and decomposition:

The substance is easily degradable biologically.

Abiotic decomposition - Hydrolysis as a pH function:
under pH 4.7 and 9 (25°C) the decomposition half time longer than 1 year.

12.4 Bio-accumulating potential:

Coefficient of distribution: $\log P_{OW} = -2.16 \pm 0.45$ (pH=9.1; 23°C) *EU A.8 method*

Bio-concentrating factor (BCF): N/a.

12.6 Other adverse effects:

N/a.

13. REMOVAL INSTRUCTIONS

Possible risks in the substance or agent removal:

In handling use personal protective means and provide handling space against environmental leakage. In handling avoid substance divergence.

Disposal manner:

Hand over the designated waste for disposal to a specialized company certified to do that. Clean the packing and hand over for usage (on request of subjects collecting waste for use), e.g. hand over the packing with residues for disposal as non-risky waste.

Legal regulations:

CR Act No. 185/2001 Coll., to regulate wastes as amended.

CR Act No. 477/2001 Coll., to regulate packings as amended.

14. TRANSPORT INFORMATION

The regulations for dangerous things transport do not apply.

15. INFORMATION ON REGULATIONS

Legal regulations valid for the substance:

ES 1907/2006 (REACH) directive

Act No. 356/2003 Coll., to regulate chemical substance and chemical agents as amended. Code of practice related to this law. Pursuant to the law

The substance is not classified risky

Risk symbol: no

R sentences: no

S sentences: no

16. OTHER INFORMATION

The information stated in this safety sheet corresponds to our best knowledge of the product at the time of issue. The information only serves to more correct and safer product handling, storing, transport and clearance. It cannot be viewed as a product quality guarantee and clarification. This information only relates to the specified material and does not apply if used combined with other materials or other processes not specified in the text of this safety sheet.

Issued: 21 June 2012

HYMATO PRODUCTS Ltd
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general manager

