1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 PRODUCT IDENTIFIER

Trade name: ANTYM SIMPLEX.

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

National fertilizer. Registration Number: 0031117/20 (IT-LEX).
Professional use.

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Agridaeus SRL - Via Ginibissa 67 - 20081 Abbiategrasso (MI).
Phone: +39 320 8616063.
Competent person responsible: Paolo Turconi; **e-mail**: paolo@agridaeus.com

1.4 EMERGENCY TELEPHONE NUMBER

1. National Toxicology Information Center, Multi-profile hospital for active treatment and emergency medicine "NI Pirogov", **Bulgaria**, Emergency telephone: +35929154233.
2. Institute for Medical Research and Occupational Medicine, Ksaverska cesta 2, p.p. 291, HR-10001 Zagreb, **Croatia**, Tel. +38512348342.
3. Poison Information Centre Children's Hospital P&A Kyriakou, Athens 11762, **Greece**, Emergency number: +302107793777.
4. Bureau for Chemical Substances, 30/34 Dowborczykow Street, 90-019 Lodz, **Poland**, Tel. +48422538400.
5. National Toxicological Information Centre, Limbova 5, 833 05 Bratislava, **Slovakia**, Tel. +421254774166.

2 HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

The product does not meet the criteria for classification in accordance with Regulation (EC) n° 1272/2008.

2.2 LABEL ELEMENTS

Symbol(s)
None.
Hazard pictogram(s)
None.
Signal word(s)
None.
Hazard statement(s)
None.
Precautionary statement(s)
P102 – Keep out of reach of children.
P262 – Do not get in eyes, on skin, or on clothing.
P270 – Do not eat, drink or smoke when using this product.
P501 – Dispose of contents/container according to local laws.

2.3 OTHER HAZARDS

The mixture does not contain vPvB and PBT in accordance with EC 1907/2006 Annex XIII.
Substances SVHC are not contained or are below the 0.1%.

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 SUBSTANCES

Irrelevant information.

3.2 MIXTURES

Formulation type: liquid.
Ingredients:

Name	CAS Number	Concentration
Bacillus licheniformis AIBL-002	68038-66-4	0.6%
Bacillus megaterium MEG20011	--	0.2%
Bacillus pumilus 30004	--	0.2%
Bacillus simplex DMSZ1515	--	0.2%
Bacillus subtilis AIBS-001	68038-70-0	0.2%
Bacillus amyloliquefaciens SD-2	--	0.1%

4 FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

General information: None.

Inhalation: Ventilate the room. Immediately remove the patient from the contaminated room to rest in a well-ventilated area. If breathing difficulty persists, consult a doctor.

Skin contact: Remove contaminated clothing. Wash thoroughly with soap and water. If irritation persists consult a doctor.

Eyes contact: Immediately flush with water for at least 10 minutes. If symptoms persist consult a doctor.

Ingestion: Rinse several times mouth without swallowing and without causing vomiting. CONSULT A DOCTOR IMMEDIATELY.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No data available.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

If you suspect poisoning, immediately contact a doctor, the nearest hospital, or the nearest Poison Control Centre. Report to the person contacted the complete product name, and the type and amount of exposure. Describe the symptoms and follow the directions given. Dispose of the product label when calling a poison control centre or physician.

5 FIREFIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

Suitable extinguishing media: Water, CO_2, foam, chemical powders according to the materials involved.

Unsuitable extinguishing media: Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

The mixture during combustion can release toxic gases (CO_2, CO).

5.3 ADVICE FOR FIREFIGHTERS

Appropriate personal protective equipment with breathing protection.

Keep away from container. Operate over avoiding exposure to smoke and vapours.

Separately collect contaminated water used to extinguish the fire. Do not discharge into sewer.

6 ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Wear protective clothing, masks or glasses with side shields, suitable protective gloves.

Also refer to section 8.2.

6.1.1 For non-emergency personnel

Move away from the area surrounding the spill or release. No smoking. Wear PVC gloves and protective clothing.

6.1.2 For emergency responders

Wear gloves and protective clothing. No smoking. Eliminate all unguarded flames and sources of ignition. Provide adequate ventilation. Also refer to section 8.2.

6.2 ENVIRONMENTAL PRECAUTIONS

Collect the product with absorbent material (sand, earth, sawdust, etc...). subsequently
wash with water the area and materials involved. Dispose the materials according to local regulations.

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

6.3.1 How to contain a spill

Recover the product for reuse or disposal. Absorbed by inert material. Cover drains into the sewer.

6.3.2 How to clean-up a spill

After collection, wash the area and materials involved with water.

6.4 REFERENCE TO OTHER SECTIONS

If necessary, see sections 8 and 13.

7 HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Follow the instructions on the label. Adopt good handling practices. Use protective clothing and gloves. Keep away from food, drink and animal feed. Not smoking, neither eat nor drink. Avoid contact with skin and eyes. Wash thoroughly after use. Immediately remove contaminated. If necessary, see section 8.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Store in a cool, well-ventilated place, protected from frost and heat, in closed containers, labelled and kept upright and consistent with good safety standards.

7.3 SPECIFIC END USE(S)
There are no specific recommendations.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS
8.1.1 Components with workplace exposure limits to be monitored in the workplace
No exposure limits have been established for this mixture.
8.1.1.1 Exposure limit values TLV in accordance with Directive 98/24/EC,
Not applicable.
8.1.1.2 Exposure limit values OEL in accordance with Directive 2004/37/EC
Not applicable.
8.1.1.3 No effects derived levels DNEL/DMEL
Not applicable.
8.1.1.4 Exposure limit values PNEC in accordance with Directive 98/24/EC
Not applicable.
8.2 EXPOSURE CONTROLS
Must be taken normal precautionary measures. Avoid contact with eyes and skin.
Avoid contact with clothing. Keep the product in tightly closed packaging.
8.2.1 Appropriate engineering controls
No special precautions are required for this product.
8.2.2 Individual protection measures, such as personal protective equipment
If necessary, see section 8.
8.2.2.2 Equipment provide adequate and suitable protection
Eye/face protection
Glasses. If need, refer to EN 166.
Skin protection
Protective workwear, Butyl rubber gloves. If need, refer to EN 166, EN 374, EN 465-466-467.
Respiratory protection
If there is a risk of prolonged exposure to vapor or mist, use mask with organic vapor filter. Under normal use conditions and at room temperature are not necessaries specific measures.
Thermal hazards
No danger to report.
8.2.3 Environmental exposure controls
Do not eat, drink or smoke during use. We recommend a work local equipped with ventilation and air exchange, safety showers and water points.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES
Appearance: Liquid.
Colour: Brown.
Odour threshold: Slightly pungent.
pH (as supplied): 5.5 ± 1.0.
Melting point [°C]: 100 ± 5.
Freezing point [°C]: 0 ± 5.
Flash point [°C]: Not determinated.
Evaporation rate: Not applicable.
Upper flammability limits: Not determinated.
Lower flammability limits: Not determinated.
Explosive limits: Not determinated.
Vapour pressure: Not applicable.
Vapour density: Not determinated
Relative density [g/ml]: 1.05 ± 0.05 (20°C).
Solubility(ies): Not applicable.
Partition coefficient (n-octanol/water): Not determinated.
Auto-ignition temperature [°C]: Not determinated.
Decomposition temperature: Not determinated.
Viscosity: Not determinated.
Explosive properties: Not determinated.

Oxidising properties: Not determinated.

9.2 OTHER INFORMATION

None.

10 STABILITY AND REACTIVITY

10.1 REACTIVITY

Can reacts with strong oxidizing agents.

10.2 CHEMICAL STABILITY

Stable under normal conditions of storage and use.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

No dangerous reactions known.

10.4 CONDITIONS TO AVOID

Avoid high temperature (> 50°C). The product is stable under normal storage and handling conditions.

10.5 INCOMPATIBLE MATERIALS

Avoid contact with oxidizing agents. Do not store in metal containers.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

In case of high-temperature thermal decomposition it causes formation of toxic vapours (CO_2, CO).

11 TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON HAZARD CLASSES AS DEFINED IN REGULATION (EC) No 1272/2008

Acute toxicity: not determined.

Irritation: not determined.

Acute inhalation toxicity: not determined.

Corrosivity: not determined.

Sensitisation: not determined.

Repeated dose toxicity: not determined.

Respiratory or skin sensitisation: not determined.

Mutagenicity: There isn't the suspicion of a possible mutagenic effect.

Carcinogenicity: There isn't the suspicion of a possible carcinogenic effect.

Toxicity for reproduction: There isn't the suspicion of a possible effect on reproduction.

No classification according to the calculation method of the preparation directive.

11.2 INFORMATION ON OTHER HAZARDS

Not determined.

12 ECOLOGICAL INFORMATION

12.1 TOXICITY

Acute toxicity to fish: not determined.

Acute toxicity to aquatic invertebrates: not determined.

Algae toxicity: not determined.

Behaviour in environment: not determined.

Behaviour in sewage plant: not determined.

Toxicity to bacteria: not determined.

12.2 PERSISTENCE AND DEGRADABILITY

Not determined.

12.3 BIOACCUMULATIVE POTENTIAL

Not determined.

12.4 MOBILITY IN SOIL

Not determined.

12.5 RESULTS OF PBT AND vPvB ASSESSMENT

The mixture does not contain vPvB and PBT substances in accordance with EC Regulation 1907/2006 annex XII.

12.6 ENDOCRINE DISRUPTING PROPERTIES

Not determined.

12.7 OTHER ADVERSE EFFECTS

None.

13 DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

The waste should be handled observing the same precautions listed in sections 7 and 8. Recover if possible.
Dispose of in accordance with local and national regulations. Do not contaminate the water with the product or its container. Do not clean application equipment near surface water. Avoid contamination through water from farms drainage systems and roads. If possible, recycle containers for use after thorough cleaning otherwise disposed of in accordance with local and national regulations.

14 TRANSPORT INFORMATION

14.1 UN NUMBER OR ID NUMBER

The mixture is not classified as dangerous under current provisions governing the transport of dangerous goods by road (ADR) and by Rail (RID), by sea (IMDG) and air (ICAO/IATA)

14.2 UN PROPER SHIPPING NAME

None.

14.3 TRANSPORT HAZARD CLASS(ES)

Not applicable.

14.4 PACKING GROUP

Not applicable.

14.5 ENVIRONMENTAL HAZARDS

Not applicable.

14.6 SPECIAL PRECAUTIONS FOR USER

None.

14.7 MARITIME TRANSPORT IN BULK ACCORDING TO IMO INSTRUMENTS

Not applicable.

15 REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

Restrictions relating to the product or contained substances according to ANNEX XVII to Regulation (EC) No. 1907/2006 (REACH) and subsequent adjustments: none
D.Lgs. 3.2.1997 n. 52 - Classification, packaging and labelling of dangerous substances (IT-LEX).
D.Lgs.14.3.2003 n. 65 - Classification, packaging and labelling of dangerous preparations (IT-LEX).
D.Lgs. 2.2.2002 n. 25 - Risks related to chemical agents at work (IT-LEX).
D.M. 26.2.2004 - Professional exposure limits (IT-LEX).
D.M. 3.4.2007 - Execution of Directive EC 2006/8 (IT-LEX).
Regulation (EC) 1907/2006 (REACH).
Regulation (EC) 1272/2008 (CLP).
Regulation (EC) 790/2009 (ATP1 CLP).
Regulation (EC) 453/2010 (Annex 1 and updates Regulation (EC) 1907/2006).
Where applicable, refer to the following regulations:
Ministerial circulars 46 e 61 (aromatic amines) (IT-LEX).
D.Lgs 21.9.2005 n. 238 (Seveso provision) (IT-LEX).
Regulation (EC) 648/2004.

15.2 CHEMICAL SAFETY ASSESSMENT

No chemical safety assessment according to Article 14 of Regulation (EC) 1907/2006 has been carried out.

16 OTHER INFORMATION

The data are based on our present knowledge also includes the database of substances registered under REACH, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.