

Trade name: Durazyme Arrival + E
Product no.: DMNB

Date: 02-26-2024

1.1 Product identifier

Trade name

Durazyme Arrival + E

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture

Animal Feed Supplement

1.3 Details of the supplier of the safety data sheet

Address

A/B Technologies International, Inc.
402 Shelley Street
Springfield, OR 97477

Telephone no. +541-746-8672

Information provided by / telephone

+541-746-8672

Department: Dr. Calvin Speckman

Advice on Safety Data Sheet

abtusa@abtusa.com

1.4 Emergency telephone number

+800-285-6221

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification information

This product does not meet the classification and labelling criteria given in the Dangerous Preparations Directive (1999/45/EC; DPD)

2.2 Label elements

Not relevant

2.3 Other hazards

No data available.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures

Chemical characterization

Fermentation product from lactic acid bacteria with dextrose as carrier.

Hazardous ingredients

This product does not contain substances to be mentioned according to EU Regulation No 1907/2006 (REACH), annex II.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

No special measures necessary.

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After inhalation

Ensure supply of fresh air.

After skin contact

In case of contact with skin wash off with warm water.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). In case of irritation consult an ophthalmologist.

After ingestion

By continuous complaints consult a physician.

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

No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Extinguishing measures to suit surroundings. Foam; Carbon dioxide; extinguishing powder; Water spray jet

Unsuitable extinguishing media

Full water jet

5.2 Special hazards arising from the substance or mixture

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide, carbon dioxide and smoke.

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Refer to protective measures listed in sections 7 and 8.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Take up mechanically. When picked up, treat material as prescribed under heading "Disposal considerations".

6.4 Reference to other sections

No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

No special measures necessary.

General protective and hygiene measures

Wash hands before breaks and after work. Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages.

Advice on protection against fire and explosion

No special measures necessary.

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7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed in a cool, well-ventilated place.

Requirements for storage rooms and vessels

Store product in closed containers.

Advice on storage assembly

None known

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

| No | Substance name | CAS no. | EC no. |
|----|---|---------|-------------------|
| 1 | DUST | | |
| | List of approved workplace exposure limits (WELs) / EH40 | | |
| | total inhalable dust | | |
| | TWA | 10 | mg/m ³ |
| | List of approved workplace exposure limits (WELs) / EH40 | | |
| | respirable dust | | |
| | TWA | 4 | mg/m ³ |

8.2 Exposure controls

Appropriate engineering controls

No data available.

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of dust formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified. Dust mask

Eye / face protection

Safety glasses (EN 166)

Hand protection

In case of intensive contact, wear protective gloves (EN 374). Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| |
|-------------------|
| Form/Color |
| Paste |
| Green |
| Odor |
| odorless |

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| | |
|--|------------------------|
| Odour threshold | |
| No data available | |
| pH value | |
| Reference temperature | 20 °C |
| Concentration | 10 g/l |
| Method | DIN 53200 |
| Remarks | neutral |
| Boiling point / boiling range | |
| No data available | |
| Melting point / melting range | |
| No data available | |
| Decomposition point / decomposition range | |
| No data available | |
| Flash point | |
| no data available | |
| Auto-ignition temperature | |
| No data available | |
| Oxidising properties | |
| No data available | |
| Explosive properties | |
| No data available | |
| Flammability (solid, gas) | |
| No data available | |
| Lower flammability or explosive limits | |
| No data available | |
| Upper flammability or explosive limits | |
| No data available | |
| Vapour pressure | |
| No data available | |
| Vapour density | |
| No data available | |
| Evaporation rate | |
| No data available | |
| Relative density | |
| No data available | |
| Density | |
| Value | 0.50 g/cm ³ |
| Solubility in water | |
| Remarks | not soluble |
| Solubility(ies) | |
| No data available | |
| Partition coefficient: n-octanol/water | |
| No data available | |
| Viscosity | |
| No data available | |

9.2 Other information

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|--------------------------|
| Other information |
| No data available. |

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SECTION 10: Stability and reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability

No data available.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

No data available.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

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|----------------------------|
| Acute oral toxicity |
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| No data available |
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| Acute dermal toxicity |
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| No data available |
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|------------------------------------|
| Acute inhalational toxicity |
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| No data available |
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| Skin corrosion/irritation |
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| No data available |
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| Serious eye damage/irritation |
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| No data available |
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| Respiratory or skin sensitisation |
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| No data available |
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| Germ cell mutagenicity |
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|-------------------|
| No data available |
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|------------------------------|
| Reproduction toxicity |
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|-------------------|
| No data available |
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|------------------------|
| Carcinogenicity |
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| No data available |
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| STOT-single exposure |
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| No data available |
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| STOT-repeated exposure |
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| No data available |
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| Aspiration hazard |
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|-------------------|
| No data available |
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| Other information |
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| By appropriate use of the product no health damage is known. |
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SECTION 12: Ecological information

12.1 Toxicity

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| Fish toxicity |
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| No data available |
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| Daphnia toxicity |
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| No data available |
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| Algae toxicity |
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| No data available |
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|--------------------------|
| Bacteria toxicity |
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|-------------------|
| No data available |
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12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

No data available.

12.7 Other information

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|--------------------------|
| Other information |
|--------------------------|

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|---|
| Do not discharge into the drains or waters and do not store on public depositories. |
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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information

14.1 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG

The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

14.4 Other information

No data available.

14.6 Special precautions for user

No data available.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant

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SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

No data available.

15.2 Chemical safety assessment

No data available.

SECTION 16: Other information

Sources of key data used to compile the data sheet:

EC Directive 67/548/EC resp. 99/45/EC as amended in each case.

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EC

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.