

# Safety Data Sheet

# Arginex

In accordance with (EC) nr 1907/2006 (REACH)

Version: 1.0/En

Revision date: 2026-02-18

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

### 1.1 Product identifier

Trade name: Arginex

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

Identified uses: Seed coating formulation.

### 1.3 Details of the supplier of the safety data sheet

Company: Arevo AB  
Address: Dåva Energiväg 8  
905 95 Umeå  
Sverige  
Telephone: +46-(0)90-206 48 63  
E-mail: [sds@arevo.se](mailto:sds@arevo.se)

### 1.4 Emergency telephone number

Emergency telephone number in Sweden: 112-request: poison information  
General questions (week days 9-17) +46-(0)10 456 6700 (Information centre for poison)

## 2 HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

All components does not meet the classifications criteria as hazardous in accordance with the CLP (EC) nr 1272/2008 regulation.

*Hazard class, hazard category and hazardous indication codes:*

Not applicable.

### 2.2 Labeling

*Pictogram and signal word:*

Not applicable.

*Hazardous indication:*

Not applicable.

### 2.3 Other hazards

PBT-substance:	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> NOT APPLICABLE
vPvB-substance:	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> NOT APPLICABLE

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Physical: Not identified

Health: Not identified

Environment: Not identified

## 3 COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

#### Classification of substances in accordance with (EC) nr 1272/2008 (CLP) regulation

All components are non-hazardous.

### 3.2 Mixtures

#### Classification of mixture in accordance with (EC) nr 1272/2008 (CLP) regulation

All components are non-hazardous.

## 4 FIRST AID MEASURES

### 4.1 Description of first aid measures

Generally: In case of concern, or if symptoms occur, call a doctor/physician

Upon skin contact: Wash off with water.

Upon eye contact: Rinse with water for a few minutes.

Upon ingestion: Do not induce vomiting and loosen tight clothing. Go to doctor/hospital if a large quantity has been ingested or lasting discomfort.

### 4.2 Most important symptoms and effects, both acute and delayed.

None known

### 4.3 Indication of any immediate medical attention and special treatment needed.

Symptomatic treatment.

## 5 FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

Extinguishing media: The product might be combustible at high temperatures. Extinguishing media should be chosen regarding fire in the surroundings. Suitable extinguishing is chemical powder or foam, carbon dioxide or water spray.

Extinguishing media which must not be used for safety reasons: No restrictions.

### 5.2 Special hazards arising from the substance or mixture.

May release nitrogen oxides (NOx) and phosphorus oxides if involved in a fire.

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## 5.3 Advice for firefighters

General consideration during firefighting applies. Evacuate according to routines for fire. Move containers away from the fire if this can be done without risk. Avoid breathing fume gases. Wear full body safety clothes and free-standing air pressure apparatus (SCBA) in case of fire. Evacuate in accordance with fire procedures.

## 6 ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment, and emergency procedures

Wear appropriate protective clothing.

### 6.2 Environmental precautions

Do not release into natural waterways. Prevent entry into basements or confined areas.

### 6.3 Methods and materials for containment and cleaning up

Vacuum or sweep up material and place in labelled waste containers for later disposal via an authorized waste disposal company.

## 7 HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Keep away from heat and sources of ignition.

### 7.2 Conditions for safe storage, including any incompatibilities.

The product should be stored in room temperature, between 15 to 25 degrees. Keep product at a dark and dry location, tightly sealed. Keep away from extreme heat and strong oxidizing agents at a well-ventilated place. Avoid direct sunlight.

### 7.3 Specific end use(s)

This product is only to be used for seed coating.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

Contains no substance with occupational limit values.

### 8.2 Exposure controls

#### Technical protection measures

Provide good ventilation in the work area. Access to eye wash and shower should be available in working area.

#### Eye/face protection

No specific protection requires at normal handling. Wear suitable safety goggles or face protection where needed.

#### Skin protection

Wear protective gloves in nitrile rubber. Wear fully covering workwear where required.

#### Respiratory protection

Work in well-ventilated rooms. Use suitable respiratory protection such as full-face mask or half-mask where required.

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## Hygienic measure

Good industrial hygiene and safety practise. Avoid contact with eyes and skin. Use personal protections (gloves, clothes and goggles) when risk for exposure. Provide good ventilation in working area. Remove contaminated clothes and wash them before reuse.

## Environmental exposure controls

Avoid release to aquatic environments. See section 6 and 13 for more information.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Physical state	Viscous liquid
Colour	Red
Odour	Odourless
Odour threshold	Not determined
Melting point/freezing point	Not determined
pH:	4,0-6,5
Boiling point or initial boiling point and boiling range:	100 °C (water)
Flammability:	Not applicable
Lower and upper explosion limit	Not relevant
Flash point	Not applicable
Auto-ignition temperature	Not relevant
Decomposition temperature	> 50°C (L-Arginine)
Kinematic viscosity	No information available
Solubility	Water soluble
Vapour pressure:	2,33 kPa (water)
Partition coefficient n-octanol/water (log value)	Not applicable
Density and/or relative density	1,02-1,04 g/mL
Relative vapour density	No information available
Particle characteristics	Not applicable

### 9.2 Other information

Not indicated

## 10 STABILITY AND REACTIVITY

### 10.1 Reactivity

Stable under recommended storage and handling. Non-corrosive.

### 10.2 Chemical stability

Stable under recommended storage and handling. Store at room temperature.

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## 10.3 Possibility of hazardous reactions

None identified.

## 10.4 Conditions to avoid.

Extreme temperatures and oxidizing agents. Keep away from sunlight.

## 10.5 Incompatible materials

None identified.

## 10.6 Hazardous decomposition products

None identified. No information available.

## 11 TOXICOLOGICAL INFORMATION

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

There is no data available regarding the substance. The information is based on the individual constituent substances and/or read-across from similar substances.

Product CAS no	Dose descriptor	Value/Dose	Exposure route	Test animals	Method/Guideline
Seed coating formulation	LD <sub>50</sub>	> 5000 mg/kg	Oral	Rat	-

#### Skin corrosion/irritation:

Not irritating or burns to skin.

#### Serious eye damage/irritation:

Not irritating or burns to eyes.

#### Respiratory or skin sensitisation:

Not classified as respiratory or skin sensitisation.

#### Toxicity on single or repeated dosing:

No information available.

#### Carcinogenicity:

No information available. See Note 1 below.

#### Mutagenicity:

No information available. See Note 1 below.

#### Reproductive toxicity:

Negative for genetic toxicity.

#### Aspiration hazard:

No information available.

Note 1 – the product/substance is not classified as such according to the harmonised classification and labelling in Annex VI to the CLP Regulation (EC) No. 1272/2008.

### 11.2 Information on other hazards

#### Endocrine disrupting properties

None of the constitute ingredients of the mixture demonstrates endocrine disrupting properties.

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## Other information

Not indicated

## 12 ECOLOGICAL INFORMATION

### 12.1 Toxicity

No data available

### 12.2 Persistence and degradability

#### *Biological decomposition*

Non- persistent, fully biodegradable.

### 12.3 Bioaccumulative potential

Does not bioaccumulate.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessments

No data available

### 12.6 Other adverse effects

Not applicable.

## 13 DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Non-hazardous waste. Dispose of according to local legislation.

## 14 TRANSPORT INFORMATION

The product is not classified as hazardous freight.

14.1 UN-number: N/A

14.2 UN proper shipping name: N/A

14.3 Transport hazard class(es): N/A

14.4 Packing group: N/A

14.5 Environmental hazards: N/A

14.6 Special precautions for user: N/A

14.7 Maritime transport in bulk according to IMO instruments: N/A

14.8 Other transport information: N/A

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## 15 REGULATORY INFORMATION

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

EU parliament and the constitution of the council (EC) No 1005/2009 on substances that deplete the ozone layer – *n/a*

EU parliament and the constitution of the council (EC) No 850/2004 on persistent organic pollutants and amending Directive 79/117/EEC – *n/a*

EU parliament and the constitution of the council (EC) No 649/2012 concerning the export and import of dangerous chemicals. – *n/a*

### 15.2 Chemical safety assessment

Assessment and chemical safety report in accordance with REACH regulation (EC) No 1907/2006 has not yet been performed.

## 16 OTHER INFORMATION

### 16.1 Indication of where changes have been made to the previous version of the safety data sheet revisions of this document.

Version	Information	Datum
1.0	First edition.	2026-02-18

### Audit

This version of the Safety Data Sheet replaces all former versions.

### 16.3 Legend to abbreviations and acronyms used in the safety data sheet. Explanations of the abbreviations in section 11 and 12.

#### BCF Bioconcentration Factor

LD<sub>50</sub>: Lethal Dose. Dose that is lethal for 50 % of the test organisms.

LC<sub>50</sub>: Lethal Concentration. Concentration that is lethal for 50% of the test organisms within a certain specified time.

IC<sub>50</sub>: Inhibitory Concentration.

EC<sub>50</sub>: Effective Concentration. A measure of the concentration of a substance that causes a 50 % lethal effect.

EC<sub>100</sub>: Effect concentration to 100% of test population in aquatic environment

ErC<sub>50</sub>: Effective rate Concentration. The concentration of test substance which results in a 50 % reduction in growth rate.

DNEL: Derived No Effect Level. The level of exposure to a substance above which humans should not be exposed.

Log Kow: Partition coefficient n-octanol/water

PNEC: Predicted No-Effect Concentration.

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OECD: Organisation for Economic Co-operation and Development.

STOT: Specific Target Organ Toxicity.

PBT: Persistent, Bioaccumulative, Toxic substances. PBT-substances meet the criteria in part 1, appendix XIII in REACH.

vPvB: Very Persistent, Very Bioaccumulative substances. vPvB-substances meet the criteria in part 2, appendix XIII in REACH.

SCBA: Self-Contained Breathing Apparatus

## **16.4 Others**

The information in this safety data sheet is based on our current knowledge and is intended to describe the product from a safety point of view. The safety data sheet is not to be regarded as a chemical specification.