

Safety Data Sheet AMINOBOR

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name	AMINOBOR
Brand	Aminocore
UFI	4300-909E-N00D-CGUU

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

Only use as a fertilizer.

1.3 Details of the supplier of the safety data sheet

Name	Aminocore GmbH
Address	Sandhook 42 48531 Nordhorn Germany
Telephone	+49 5921 8274394
email	info@aminocore.de

1.4 Emergency telephone number

+31 6 46 37 67 15

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

- Acute toxicity, inhalation, Cat. 5, H333
- Serious eye damage/eye irritation, Cat. 1, H318
- Skin corrosion/irritation, Cat. 1B, H314
- Toxic to reproduction, Cat. 1A, H360
- Toxic to reproduction, Cat. 1B, H360

For the full text corresponding to the "H"-codes displayed in this section, refer to Section 16.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]

Hazard pictograms



Signal word

Danger

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Hazard statements

H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H333	May be harmful if inhaled
H360	May damage fertility or the unborn child [effect, route]

Precautionary statements

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P264	Wash ... thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304+P312	IF INHALED: Call a POISON CENTER/doctor/... if you feel unwell.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P310	Immediately call a POISON CENTER/doctor/...
P321	Specific treatment (see ... on this label).
P363	Wash contaminated clothing before reuse.
P405	Store locked up.
P501	Dispose of contents/container to ...

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components mentioned are classified and present above their specific concentration limits (SCLs), as listed in Annex VI of harmonized entries to CLP.

Components

1. Ethanolamine

Concentration	6.7 - 6.7 % (weight)
EC no.	205-483-3
CAS no.	141-43-5
Index no.	603-030-00-8

- Acute toxicity, inhalation, Cat. 4
- Acute toxicity, dermal, Cat. 4
- Acute toxicity, oral, Cat. 4
- Skin corrosion/irritation, Cat. 1B

H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H332	Harmful if inhaled
SCLs/M-factors/ATEs	STOT SE 3; H335: C ≥ 5 %

2. Boric acid

Concentration	20 - 20 % (weight)
EC no.	233-139-2
CAS no.	10043-35-3
Index no.	005-007-00-2

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- Reproductive toxicity, Cat. 1B

H360FD
SCLs/M-factors/ATEs

May damage fertility. May damage the unborn child.
Repr. 1B; H360FD: C ≥ 5,5 %

SECTION 4: First aid measures

4.1 Description of first aid measures

Following inhalation	No known hazards from this product. If any doubt seek medical attention.
Following skin contact	May cause irritation. Wash skin with soap and plenty of water.
Following eye contact	May cause irritation. Rinse eyes thoroughly with water or eyewash solution. Seek medical attention if irritation persists.
Following ingestion	No negative effects known. Drink plenty of water after swallowing. Seek medical attention if irritation occurs.
Self-protection of the first aider	No particular self-protection needed.

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

Powder, water, foam, carbondioxide and/or sand.

5.2 Special hazards arising from the substance or mixture

Small amounts of borane/boron oxides may be formed under fire conditions.

5.3 Advice for firefighters

Wear gas-protective masks.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

No special precautions necessary.

6.3 Methods and material for containment and cleaning up

Contain product as much as possible and transfer to containers ready for disposal or composting.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

No special precautions are required. If desired, protective gear can be used (gloves, eye protection, etc.).

7.2 Conditions for safe storage, including any incompatibilities

Store in the original container out of the sun. To maintain quality, keep temperatures below 30 dgrs. C., preferably below 20 dgrs. C. Avoid freezing. No incompatibilities known.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

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1. Ethanolamine (CAS: 141-43-5)

Parameter	PEL
Route of exposure	Inhalation
Value	3 ppm
Source	OSHA
Measurement basis & notes	OSHA Annotated Table Z-1, www.osha.gov
Country	USA
Parameter	TWA
Value	2 mg/m ³
Source	ACGIH
Measurement basis & notes	Upper Respiratory Tract irritation. Not classifiable as a human carcinogen varies

8.2 Exposure controls

Appropriate engineering controls

No specific measures necessary for the mixture.

Individual protection measures, such as personal protective equipment

Eye and face protection

To be safe, use proper eye protection.

Skin protection

To be safe, use gloves.

Respiratory protection

To be safe, use masks that can protect against organic gases and vapours.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Somewhat viscous liquid
Colour	Brown
Odour	Sweet
Melting point/freezing point	0 dgrs. C.
Boiling point or initial boiling point and boiling range	100 dgrs. C.
Flammability	None
Lower and upper explosive limit	Not applicable
Flash point	None
Auto-ignition temperature	None
Decomposition temperature	No data available.
pH	5.5-6
Kinematic viscosity	No data available.
Solubility	1180 g/L
Partition coefficient n-octanol/water (log value)	No data available.
Vapour pressure	No data available.
Evaporation rate	No data available.
Density and/or relative density	1150-1200 g/L
Relative vapour density	No data available.

Particle characteristics

Not applicable

9.2 Other information

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9.2.1 Information with regard to physical hazard classes

9.2.2 Other safety characteristics

SECTION 10: Stability and reactivity

10.1 Reactivity

None

10.2 Chemical stability

Stable under ambient conditions.

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

Some borane/boron oxides may be formed under fire conditions.

Other decomposition products - No data available

In the event of fire: see section 5

SECTION 11: Toxicological information

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

Acute toxicity

No data available.

// ----- From the Suggestion report (22/06/2023, 2:58 PM) ----- //

The ATE (gas inhalation) of the mixture is: 58441.56 ppmV

Skin corrosion/irritation

No data available.

Serious eye damage/irritation

No data available.

Respiratory or skin sensitization

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

Summary of evaluation of the CMR properties

No data available.

Specific target organ toxicity (STOT) - single exposure

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No data available.

Specific target organ toxicity (STOT) - repeated exposure

No data available.

Aspiration hazard

No data available.

11.2 Information on other hazards

Endocrine disrupting properties

No data available

SECTION 12: Ecological information

12.1 Toxicity

No data available.

12.2 Persistence and degradability

Monoethanolamine: Biodegradability aerobic - Exposure time 28 d

Result: > 70 % - Readily biodegradable
(OECD Test Guideline 301F)

12.3 Bioaccumulative potential

Monoethanolamine: <http://webnet.oecd.org/ccrweb/ChemicalDetails.aspx?ChemicalID=A51B9C16-0837-416F-9697-991CEC9F46D1>

Bioaccumulative (B)? No

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product disposal

Product can be composted. Dispose according local regulations.

Packaging disposal

HDPE packaging. Recycle if possible, otherwise dispose following local regulations.

Waste treatment

No data available.

Sewage disposal

No data available.

Other disposal recommendations

None

SECTION 14: Transport information

14.1 UN Number	UN3264
14.2 UN Proper Shipping Name	Corrosive liquid, acidic, inorganic, n.o.s.
14.3 Transport hazard class(es)	8
14.4 Packing group	II

14.5 Environmental hazards

No environmental hazards are known for this mixture.

14.6 Special precautions for user

None known.

SECTION 15: Regulatory information

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

New Jersey Right To Know Components

Common name: Ethanolamine
CAS number: 141-43-5

Pennsylvania Right To Know Components

Boric acid
CAS-No. 10043-35-3

SARA 311/312 Hazards

No SARA Hazards

15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out for this mixture by the supplier.

SECTION 16: Other information

Full text of hazard statements referenced in Section 2

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Further information/disclaimer

The information presented in this MSDS was obtained from sources that we believe are reliable. However, the information is provided without any warranty regarding its correctness. We do not assume responsibility or liability for loss, damage or expenses arising from, or connected to improper handling, storage, use or disposal of the product.

Preparation information

This SDS was composed by Aminocore.