

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

1.1. Product identifier

Product form : Mixture
Trade name : Easygro Vegetable-substrate
Product code : 300.305.000
Type of product : Fertilizer
Product group : Blend

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

1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use
Use of the substance/mixture : Fertilizer

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Easygro
Woutersweg 10
P.O. Box 2
2691 PR 's Gravenzande - Nederland
T +31 (0) 174 446 100 - F +31 (0) 174 446 150
SDS@brinkman.nl - www.royalbrinkman.com

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Serious eye damage/eye irritation, Category 2 H319
Reproductive toxicity, Category 1A H360

Full text of hazard classes and H-statements : see section 16

Adverse physicochemical, human health and environmental effects

May damage the unborn child (in contact with skin).

2.2. Label elements

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

Hazard pictograms (CLP) :



Signal word (CLP) : Danger

Hazard statements (CLP) : H319 - Causes serious eye irritation
H360FD - May damage fertility. May damage the unborn child
H411 - Toxic to aquatic life with long lasting effects

Precautionary statements (CLP) : P273 - Avoid release to the environment
P280 - Wear protective gloves, protective clothing, eye protection, face shield
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
P337+P313 - If eye irritation persists: Get medical advice/attention
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

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Extra phrases : Restricted to professional users

2.3. Other hazards

Other hazards not contributing to the classification : No additional data.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
boric acid substance listed as REACH Candidate	(CAS-No.) 10043-35-3	5.5 - 10	Repr. 1B, H360FD
	(EC-No.) 233-139-2		
	(EC Index-No.) 005-007-00-2		
	(CAS-No.) 7758-99-8	<= 3	Acute Tox. 4 (Oral), H302
	(EC-No.) 231-847-6		Skin Irrit. 2, H315
	(EC Index-No.) 029-004-00-0		Eye Irrit. 2, H319
	(REACH-no) 01-2119520566-40		Aquatic Acute 1, H400
	(CAS-No.) 7733-02-0	<= 1	Aquatic Chronic 1, H410
	(EC-No.) 231-793-3		Acute Tox. 4 (Oral), H302
	(EC Index-No.) 030-006-00-9		Eye Dam. 1, H318
	(REACH-no) 01-2119474684-27		Aquatic Acute 1, H400
			Aquatic Chronic 1, H410

Specific concentration limits:

Name	Product identifier	Specific concentration limits
boric acid	(CAS-No.) 10043-35-3 (EC-No.) 233-139-2 (EC Index-No.) 005-007-00-2	(C >= 5.5) Repr. 1B, H360FD

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Check the vital functions. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Vomiting: prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Take immediately victim to hospital. IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Remove victim to fresh air and keep at rest in a position comfortable for breathing.
First-aid measures after skin contact	: Rinse with plenty of water. Take off immediately all contaminated clothing. Wash with plenty of soap and water. Seek medical attention if ill effect or irritation develops. Wash skin with plenty of water.
First-aid measures after eye contact	: Immediately rinse with water for a prolonged period while holding the eyelids wide open. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an ophtalmologist if irritation persists. Rinse eyes with water as a precaution.
First-aid measures after ingestion	: If swallowed, rinse mouth. Immediately give plenty of water. Immediately consult a doctor/medical service. Ingestion of large quantities: immediately to hospital. Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects after skin contact	: Contact during a long period may cause light irritation.
Symptoms/effects after eye contact	: Redness of the eye tissue. Eye irritation. Tears.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Making extinguishing agents environment-friendly. Water spray.
Unsuitable extinguishing media	: high volume water jet.

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5.2. Special hazards arising from the substance or mixture

- Fire hazard : Not flammable.
- Explosion hazard : No direct explosion hazard.
- Hazardous decomposition products in case of fire : On heating/burning: release of toxic and corrosive gases/vapours nitrous vapours.

5.3. Advice for firefighters

- Precautionary measures fire : Exposure to fire/heat: keep upwind.
- Firefighting instructions : Contain the extinguishing fluids by bunding. Use water spray/fog for cooling. Exercise caution when fighting any chemical fire.
- Protection during firefighting : Fire fighters have to wear suited clothing and an independent respiratory device (SCBA) that covers the face completely with pressure. Clothing for fire fighters (including helmets, protective boots and gloves) according to European Regulation EN 469, give a basic protection level for an incident with chemicals. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Provide adequate ventilation. Avoid breathing dust, mist or spray. Mark the danger area. Prevent spreading in sewers.

6.1.1. For non-emergency personnel

- Protective equipment : Concerning personal protective equipment to use, see section 8.
- Emergency procedures : Clear the danger area. Mark the danger area. Provide adequate ventilation. Do not breathe dust. Do not get in eyes, on skin, or on clothing. Consult an expert. Only qualified personnel equipped with suitable protective equipment may intervene.
- Measures in case of dust release : In case of dust production: keep upwind. Ventilate area.

6.1.2. For emergency responders

- Protective equipment : No supplementary information available.

6.2. Environmental precautions

Clean spills promptly. Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- For containment : Clean spills promptly. Stop leak if safe to do so. Knock down/dilute dust cloud with water spray.
- Methods for cleaning up : Mechanically recover the product. Minimize generation of dust. Sweep or shovel spills into appropriate container for disposal. Wash away remainder with plenty of water. Do not allow run-off from fire fighting to enter drains or water courses. Notify authorities if product enters sewers or public waters.
- Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". Concerning disposal elimination after cleaning, see item 13. For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Avoid dust formation. Keep away from heat and direct sunlight. Meet the legal requirements. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse. The substance must be handled in accordance with good industrial hygiene and safety procedures. Separate working clothes from town clothes. Launder separately.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Keep container closed when not in use. Provide local exhaust or general room ventilation. Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.
- Heat and ignition sources : KEEP SUBSTANCE AWAY FROM: Keep away from heat and direct sunlight.
- Special rules on packaging : Store in a closed container. correctly labelled. meet the legal requirements.
- Packaging materials : Plastic packaging are recommended (PVC, PP, PE). paper with plastic inner lining. glass.

7.3. Specific end use(s)

No additional information available.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls : Facilities: shower, eye shower. Provide sufficient air exchange and ventilation of the work station.

Materials for protective clothing :

Condition	Material	Standard

Hand protection : protective gloves

Type	Material	Permeation
	Nitrile rubber (NBR)	6 (> 480 minutes)

Eye protection : Safety glasses

Type	Use	Characteristics
Safety glasses		

Skin and body protection : Wear suitable protective clothing

Respiratory protection : Wear appropriate mask. Wear respiratory protection

Device	Filter type	Condition
Half-face mask (DIN EN 140)	Type P2	



Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Granular powder.
Colour	: brown. red.
Odour	: Odourless.
Odour threshold	: No data available
pH	: 6 - 8
pH solution	: 1 %
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: Not applicable
Solubility	: Soluble in water.
Log Pow	: No data available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: No data available

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Explosive properties	: Product is not explosive.
Oxidising properties	: Not oxidizing.
Explosive limits	: Not applicable

9.2. Other information

Additional information	: No additional data
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SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Not relevant.

10.4. Conditions to avoid

Prevent moisture contact. Direct sunlight.

10.5. Incompatible materials

Strong bases. Strong acids.

10.6. Hazardous decomposition products

On heating/burning: release of toxic and corrosive gases/vapours nitrous vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
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LD50 oral rat	2660 mg/kg (Rat, OECD 401 Acute oral toxicity Literature;> 2600 mg / kg body weight; Rat; Experimental value)
LD50 dermal rabbit	> 2000 mg/kg Rabbit; Experimental value; FIFRA (40 CFR)

(7733-02-0)

LD50 oral rat	920 - 4725 mg/kg (Rat, OECD 401)
LD50 dermal rabbit	> 2000 mg/kg (OECD 402 Acute Dermal Toxicity)

(7758-99-8)

LD50 oral rat	480 ml/kg
LD50 dermal rat	> 2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg

Skin corrosion/irritation	: Not classified pH: 6 - 8
Serious eye damage/irritation	: Causes serious eye irritation. pH: 6 - 8
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: May damage fertility or the unborn child.
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
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(7733-02-0)

LC50 fish 1	0.1 mg/l (Oncorhynchus mykiss)
EC50 other aquatic organisms 1	1.7 mg/l (pH<7,48H, Ceriodaphnia dubia)
EC50 72h algae (1)	0.56 mg/l (pH >7 – 8.5, 72H Selenastrum capricornutum)

(7758-99-8)

LC50 fish 1	1.5 mg/l <Ontbrekende vertaling : />
LC50 fish 2	0.17 mg/l <Ontbrekende vertaling : />

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TLM fish 1	3.8 ppm <Ontbrekende vertaling : />
Threshold limit algae 2	0.368 mg/kg <Ontbrekende vertaling : />

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

(7758-99-8)

Bioaccumulative potential Low bioaccumulation potential.

12.4. Mobility in soil

(7758-99-8)

Ecology - soil Toxic to flora.

12.5. Results of PBT and vPvB assessment

Component

boric acid (10043-35-3) This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations : Can be dumped in according to local regulations.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

14.6. Special precautions for user

- Overland transport

Not applicable

- Transport by sea

Not applicable

- Air transport

Not applicable

- Inland waterway transport

Not applicable

- Rail transport

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

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SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains a substance on the REACH candidate list in concentration $\geq 0.1\%$ or with a lower specific limit: Boric acid (EC 233-139-2, CAS 10043-35-3)

Contains no REACH Annex XIV substances

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

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Abbreviations and acronyms:

CLP	CLP = Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
SDS	SDS = Safety Data Sheet
REACH	REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
LC50	Median lethal concentration
LD50	Median lethal dose
EC50	Median effective concentration
BCF	Bioconcentration factor
TLM	Median Tolerance Limit
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
IMDG	International Maritime Dangerous Goods
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
IATA	International Air Transport Association

Data sources

: ECHA Website: Information on Registered Substances
Handbook of Chemistry and Physics CRC Press Inc
Information suppliers
BIG-database.

Other information

: DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Repr. 1A	Reproductive toxicity, Category 1A
Repr. 1B	Reproductive toxicity, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H302	Harmful if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H360	May damage fertility or the unborn child
H360FD	May damage fertility. May damage the unborn child
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

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<Ontbrekende vertaling : />

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product