

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

1.1 Product identifier

BG-Lure, BG-Sweetscent, Sweetscent

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

1.2.1 Relevant uses

Synergistic odour mixture which increases the efficacy of mosquito traps.

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

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Safety Data Sheet

1.4 Emergency telephone number

Advisory body +49 (0)89-19240 (24h) (english)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Eye Dam. 1: Causes serious eye damage.
Skin Irrit. 2: Causes skin irritation.

2.2 Label elements

The product is required to be labelled in accordance with OSHA HCS at 29 CFR 1910.1200.

Hazard pictograms



Signal word

DANGER

Contains:

l-(+)-lactic acid

Hexanoic acid

Hazard statements

Causes serious eye damage.

Causes skin irritation.

Precautionary statements

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Wash exposed areas thoroughly after handling.

Wear protective gloves / eye protection / face protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER / doctor.

IF ON SKIN: Wash with plenty of water.

If skin irritation occurs: Get medical advice / attention.

Take off contaminated clothing and wash it before reuse.

Specific treatment (see FIRST AID MEASURES on this Safety Data Sheet).

Dispose of contents / container to in accordance with local / regional / national / international regulation.

2.3 Other hazards

Environmental hazards

Does not contain any PBT or vPvB substances.

Other hazards

Further hazards were not determined with the current level of knowledge.

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Version 04. Supersedes version: 03

Page 2 / 8

SECTION 3: Composition / Information on ingredients

Product-type:

The product is a mixture.

Range [%]	Substance
20 - <40	I-(+)-lactic acid
	CAS: 79-33-4
20 - <40	Ammonium hydrogen carbonate
	CAS: 1066-33-7
5 - <10	Hexanoic acid
	CAS: 142-62-1

Comment on component parts

The specific percentages of composition have been withheld as trade secrets.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Take off contaminated clothing and wash before reuse.

Inhalation

Ensure supply of fresh air.
In the event of symptoms seek medical treatment.

Skin contact

When in contact with the skin, clean with soap and water.
Consult a doctor if skin irritation persists.

Eye contact

In case of contact with eyes rinse thoroughly and immediately with plenty of water and seek medical advice.
Shield unaffected eye.

Ingestion

Rinse out mouth and give plenty of water to drink.
In the event of symptoms seek medical treatment.

4.2 Most important symptoms and effects, both acute and delayed

Irritant effects
Risk of serious damage to eyes.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

All extinguishing media are suitable but method must take into account the surrounding area to minimize dispersion.

Extinguishing media that must not be used

Full water jet.

5.2 Special hazards arising from the substance or mixture

In the event of fire the following can be released:
Carbon monoxide (CO)
Nitrogen oxides (NOx).
Ammonia (NH3).

5.3 Advice for firefighters

Do not inhale explosion and/or combustion gases.
Use self-contained breathing apparatus.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

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93055 Regensburg

Date printed 17.06.2016, Revision 17.06.2016

Version 04. Supersedes version: 03

Page 3 / 8

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

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.

Dispose of absorbed material in accordance within the regulations.

6.4 Reference to other sections

See SECTION 8+13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

No special measures necessary if used correctly.

Use barrier skin cream.

Wash hands before breaks and after work.

Take off contaminated clothing and wash before reuse.

Do not eat or drink when working.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.

Prevent penetration into the ground.

Do not store together with oxidizing agents.

Do not store together with food and animal food/diet.

Keep container tightly closed and store it in a well-ventilated place.

Keep in a cool place. Store in a dry place.

7.3 Specific end use(s)

See product use, SECTION 1.2

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Ingredients with occupational
exposure limits to be monitored (US)

not applicable

8.2 Exposure controls

Additional advice on system design Ensure adequate ventilation on workstation.

Eye protection Safety glasses. (EN 166:2001)

Hand protection The details concerned are recommendations. Please contact the glove supplier for further information.
0,7 mm Butyl rubber, >480 min (EN 374).

Skin protection Not required under normal conditions.

Other Avoid contact with eyes and skin.

Do not inhale vapours.

Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier.

Respiratory protection Not required under normal conditions.

Thermal hazards not applicable

Delimitation and monitoring of the environmental exposition Protect the environment by applying appropriate control measures to prevent or limit emissions.

Biogents AG
93055 Regensburg

Date printed 17.06.2016, Revision 17.06.2016

Version 04. Supersedes version: 03

Page 4 / 8

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	solid
Color	not determined
Odor	characteristic
Odour threshold	not applicable
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point [°C]	not applicable
Flash point [°C]	not applicable
Flammability (solid, gas) [°C]	not applicable
Lower explosion limit	not applicable
Upper explosion limit	not applicable
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	not determined
Density [g/ml]	not determined
Bulk density [kg/m ³]	not determined
Solubility in water	partially miscible
Partition coefficient [n-octanol/water]	not determined
Viscosity	not applicable
Relative vapour density determined in air	not applicable
Evaporation speed	not applicable
Melting point [°C]	not applicable
Autoignition temperature [°C]	not applicable
Decomposition temperature [°C]	not applicable

9.2 Other information

No information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known if used as directed.

10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

10.3 Possibility of hazardous reactions

Reactions with strong oxidizing agents, strong acids and alkalis.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

See SECTION 10.3.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

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Date printed 17.06.2016, Revision 17.06.2016

Version 04. Supersedes version: 03

Page 5 / 8

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product
ATE-mix, oral, > 2000 mg/kg.
Substance
l-(+)-lactic acid, CAS: 79-33-4
LD50, dermal, Rabbit: > 2000 mg/kg (OECD 402).
LD50, oral, Rat: 3730 mg/kg (OECD 401).
Ammonium hydrogen carbonate, CAS: 1066-33-7
LD50, dermal, Rat: > 2000 mg/kg bw.
LD50, oral, Rat: ~ 1576 mg/kg.
LC50, inhalativ (dust), Rat: > 4,74 mg/l/4,5h.
Hexanoic acid, CAS: 142-62-1
LD50, dermal, Rabbit: > 20000 mg/kg.
LD50, oral, Rat: > 2000 mg/kg.

Serious eye damage/irritation

Toxicological data of complete product are not available.
 Based on the available information, the classification criteria are fulfilled.
 Risk of serious damage to eyes.
 Calculation method

Skin corrosion/irritation

Toxicological data of complete product are not available.
 Based on the available information, the classification criteria are fulfilled.
 Irritant
 Calculation method
 Classification was carried out based on substance-specific concentration limits.

Respiratory or skin sensitisation

Does not contain a relevant substance that meets the classification criteria.

Specific target organ toxicity — single exposure

Does not contain a relevant substance that meets the classification criteria.

Specific target organ toxicity — repeated exposure

Does not contain a relevant substance that meets the classification criteria.

Mutagenicity

Does not contain a relevant substance that meets the classification criteria.

Reproduction toxicity

Does not contain a relevant substance that meets the classification criteria.

Carcinogenicity

Does not contain a relevant substance that meets the classification criteria.

Aspiration hazard

Does not contain a relevant substance that meets the classification criteria.

General remarks

The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists. The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

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93055 Regensburg

Date printed 17.06.2016, Revision 17.06.2016

Version 04. Supersedes version: 03

Page 6 / 8

SECTION 12: Ecological information

12.1 Toxicity

Substance
l-(+)-lactic acid, CAS: 79-33-4
LC50, (96h), Danio rerio: 320 mg/l (OECD 203).
EC50, (48h), Daphnia magna: 240 mg/l (OECD 202).
IC50, (72h), Pseudokirchneriella subcapitata: 3500 mg/l (OECD 201).
Ammonium hydrogen carbonate, CAS: 1066-33-7
LC50, (96h), Oncorhynchus mykiss: 63,4 mg/l.
EC50, (48h), Daphnia magna: 145,6 mg/l.
Hexanoic acid, CAS: 142-62-1
LC50, (96h), Pimephales promelas: 88 mg/l (ECOTOX Database).
EC50, (24h), Daphnia magna: 22 mg/l (Lit.).

12.2 Persistence and degradability

Behaviour in environment compartments	not determined
Behaviour in sewage plant	not determined
Biological degradability	not determined

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

12.6 Other adverse effects

Ecological data of complete product are not available.

The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste material must be disposed of in accordance with national and local regulations.

Product	Coordinate disposal with the authorities if necessary.
Contaminated packaging	Untampered packaging may be taken for recycling. Packaging that cannot be cleaned should be disposed of as for product.

Biogents AG
93055 Regensburg

Date printed 17.06.2016, Revision 17.06.2016

Version 04. Supersedes version: 03

Page 7 / 8

SECTION 14: Transport information

14.1 UN number

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

14.2 UN proper shipping name

Transport by land according to ADR/RID NO DANGEROUS GOODS

Inland navigation (ADN) NO DANGEROUS GOODS

Marine transport in accordance with IMDG NOT CLASSIFIED AS "DANGEROUS GOODS"

Air transport in accordance with IATA NOT CLASSIFIED AS "DANGEROUS GOODS"

14.3 Transport hazard class(es)

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

14.4 Packing group

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

Biogents AG
93055 Regensburg

Date printed 17.06.2016, Revision 17.06.2016

Version 04. Supersedes version: 03

Page 8 / 8

14.5 Environmental hazards

Transport by land according to ADR/RID no

Inland navigation (ADN) no

Marine transport in accordance with IMDG no

Air transport in accordance with IATA no

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

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

not applicable

SECTION 15: Regulatory information

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

US REGULATIONS This product is registered as a pesticide by EPA (EPA Reg. No. 87472-1)

TRANSPORT REGULATIONS DOT-Classification, ADR (2015); IMDG-Code (2015, 37. Amdt.); IATA-DGR (2015).

15.2 Chemical safety assessment not applicable

SECTION 16: Other information

16.1 Date of Preparation June 17, 2016