

SOLABIOL BUXATRAP BOX TREE MOTH TRAP

84923729

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Creation Date: 21.11.2018

Revision Date: 21.11.2018

Version: 1 / Great Britain

SECTION I: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier**

Product Name SOLABIOL BUXATRAP BOX TREE MOTH TRAP

Product code 86600043

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

Use Caterpillar trap
Passive diffuser of pheromones

1.3 Details of the supplier of the safety data sheet

Supplier SBM Life Science Ltd
Unit 2, Techno Park
Newmarket Road,
Cambridge,
CB5 8PB
GREAT BRITAIN

Phone number +44 (0) 1223 677611

Responsible Department Email: sds@sbm-company.com

1.4 Emergency telephone number

**Emergency telephone
Number SBM** +1 813-676-1669

**UK Emergency telephone
Number** +44 (0) 800 3213079

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SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.

Physical Hazards:

No classification for physical hazards.

Health and Safety Hazards:

No classification for health and safety hazards.

Environmental Hazards:

Hazardous to the aquatic environment – Chronic long term -, category 3 (Aquatic Chronic 3)
H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.

Non subject to regulatory labelling.

Hazardous components which must be listed on the label:

No hazardous components must be listed on the label.

Pictograms of hazards : No pictograms of hazards required.

Signal word : No signal word required.

Hazard statements :

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P273 Avoid release to the environment.

P501 Dispose of contents/container in accordance with national regulation.

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Additional mentions:

No additional labelling required.

Additional labelling:

No additional labelling required.

2.3 Other hazards

No other hazards known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not concerned.

3.2 Mixtures

Chemical nature

Hazardous components

Hazard statements in accordance with Regulation (EC) No. 1272/2008

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Ingredients	CAS Number / EC Number / Index Number	REACH Number / recording	Classification Regulation 1272/2008/EC	Environmental Hazards	Conc % (w/w)
Tetradecyl acetate	638-59-5 211-344-8 /	/	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	/	0,1 < x < 1,0
(Z)-hexadec-11-enal	53939-28-9 258-876-7 /	/	Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	/	0,1 < x < 1,0
(E)-hexadec-11-enal	57491-33-5 260-765-3 /	/	Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	/	0,1 < x < 1,0
2,6-di-tert-butyl-p-cresol*	128-37-0 204-881-4 /	/	Acute Tox. 4, H312 STOT RE2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	/	0,1 < x < 1,0

* substance for which Union workplace exposure limits have been assigned.

Further information

For full text of H-statements and R sentences : see SECTION 16.

SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures****General advice**

Have container, label or safety data sheet of the product when you call an emergency number, a poison center, a doctor / physician or when you need to consult for a treatment.

Inhalation

In case of illness, move the victim to fresh air and keep her warm and at rest. If symptoms persist, get medical attention.

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Eye contact	Rinse immediately with plenty of water, also under the eyelids during at least 15 minutes. Remove contact lenses if it is possible and continue to rinse. Get medical attention if irritation develops and persists.
Skin contact	Remove contaminated clothing and footwear. Flush skin with water. Wash with water and soap. Wash clothes before reuse.
Ingestion	Call a physician immediately. DO NOT induce vomiting unless directed to do so by a physician. DO NOT give something to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms No available data.

4.3 Indication of any immediate medical attention and special treatment needed

Hazards No available data.

Treatments No specific antidote known. Symptomatic treatment.

SECTION 5: FIREFIGHTING MEASURES**5.1 Extinguishing media**

Suitable	Carbon dioxide (CO ₂), dry chemical Water spray, alcohol-resistant foam
Unsuitable	High volume water jet.

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5.2 Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture

Burning often produces heavy smokes.

The breakdown products can be dangerous for the health. Do not breathe fumes.

5.3 Advice for firefighters

Special protective equipment for firefighters

Wear protection clothing for all the body, complete equipment. Wear self-contained breathing apparatus.

Further information

Stay upstream of the flames.

Cool the containers of the product with water. Do not let the extinguishing waters going into the environment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Ensure adequate ventilation. Avoid contacts with eyes, skin and clothes.

Evacuate the danger zone and observe the emergency procedures.

For emergency responders

Ensure adequate ventilation. Wear an adequate individual protective equipment.

Isolate the danger zone and refuse entry to non-essential and unprotected people.

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6.2 Environmental precautions

Environmental precautions Contain the spill to prevent any further contamination of surface, soil or water.

6.3 Methods and materials for containment and cleaning up

Methods for containment Contain the spread and if possible, recover material.

Methods for cleaning up Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Then collect it in a suitable container for elimination.

Wash the affected area with water, then rinse.

Additional advice Do not leave washing water contaminate water sources and the environment.

6.4 Reference to other sections

Reference to other sections See measures for protection into the sections 8 and 13.

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling**

Advice on safe handling Use in ventilated areas.

Avoid contact with skin, eyes, injuries and clothing.

Advice on protection against fire and explosion None particular protection required.

Hygiene measures After handling, wash the hands before eating, drinking or smoking.

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Soiled clothing must remain in the working area and must be cleaned thoroughly before reusing.

7.2 Conditions for safe storage, including any incompatibilities**Requirements for storage areas and containers**

Store in the original container, out of reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place. Started products must be gingerly closed and stored in a vertical position.

Advice on common storage

Keep away from food, drink and animal feedingstuffs.

Suitable materials

Store in the original container.

7.3 Specific end use(s)**Specific end use(s)**

Attractive for male butterfly. Refer to the label and / or leaflet.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters**

For the mixture, control parameters are not known and no values for exposure limits have been determined.

For the components mentioned in Section 3.2 :

Components	CAS Number	Exposure limit values	Update	Base
2,6-Di-tert-butyl-p-cresol	128-37-0	10 mg/m ³ (VLEP 8 hours)		Gestis

Further information:

No further information.

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8.2 Exposure controls**Appropriate engineering controls**

Appropriate engineering controls Eyes showers and safety showers must be placed close to the work area.

Individual protective measures, such as personal protective equipment

All the measures for collective protection should be set and use before to consider the use of personal protective equipment. In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

Respiratory protection None protection required during recommended handling.

Hand protection Avoid contact with hands.

In case of prolonged or repeated exposure, it is recommended to wear gloves in conformity with the norm EN 374. Dispose of gloves when contaminated inside, when perforated or when contamination on the outside cannot be remove.

After manipulation of the product, wash carefully hands.

Eye protection Avoid contact with eyes.

In case of prolonged or repeated exposure, it is recommended to wear safety glasses in conformity with the norm EN 166.

Skin and body Avoid contact with the skin.

In case of contact, wash carefully soiled parts of the body.

Thermal protection Not concerned.

Environmental exposure controls

Environmental exposure controls Avoid environmental contamination. Keep away from drains, surface and ground water.

Do not apply directly on the soils.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Appearance	Liquid gel
Colour	White
Odour	Not available
Odour threshold	Not available
pH	Not available
Melting point / freezing point	Not relevant
Initial boiling point and boiling range	Not determined
Flash Point	Not available
Evaporation rate	Not available
Flammability (solid, gas)	Not relevant
Upper / lower flammability or explosive limits	Not concerned
Vapour pressure	Not determined
Vapour density	Not available
Relative density	Not available
Solubility in water	Not available
Partition coefficient: n-octanol / water	Not available

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Auto-ignition temperature Not available

Decomposition temperature Not available

Dynamic viscosity Not available

Explosive properties Not available

Oxidising properties Not available

9.2 Other information

Further safety related physical-chemical data are not known.

SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity**

Thermal decomposition Stable under foreseeable conditions of uses and storage.

10.2 Chemical stability

Chemical stability Stable under foreseeable conditions of uses and storage.

10.3 Possibility of hazardous reactions

Possibility of hazardous reactions No hazardous reactions when stored and handled according to prescribed instructions.

10.4 Conditions to avoid

Conditions to avoid No particular conditions.

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10.5 Incompatible materials**Incompatible materials** Store in the original container.**10.6 Hazardous decomposition products****Hazardous decomposition products** None hazardous decomposition products attended under conditions of use.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects****Acute oral toxicity** DL50 > 6 000 mg/kg - Rat -*[2,6-di-tert-butyl-p-cresol]*

DL50 > 5 000 mg/kg - Rat -

*[(Z)-hexadec-11-enal]***Acute inhalation toxicity** No information available. Based on available data, the classification criteria are not met.**Acute dermal toxicity** DL50 = 2 000 mg/kg - Rat -*[2,6-di-tert-butyl-p-cresol]*

DL50 = 2 000 mg/kg - Rat -

*[(Z)-hexadec-11-enal]***Skin irritation / corrosion** No information available. Based on available data, the classification criteria are not met.**Serious eye damage / irritation** No information available. Based on available data, the classification criteria are not met.

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Respiratory sensitisation No information available. Based on available data, the classification criteria are not met.

Skin sensitisation No information available. Based on available data, the classification criteria are not met.

Carcinogenicity :

No information available. Based on available data, the classification criteria are not met.

Germ cell mutagenicity :

No information available. Based on available data, the classification criteria are not met.

Reproductive toxicity and fertility :

No information available. Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure / repeated exposure) :

Single Exposure : No information available. Based on available data, the classification criteria are not met.

Repeated Exposure : No information available. Based on available data, the classification criteria are not met.

Aspiration hazard:

The mixture does not present an aspiration hazard.

Other information

No other information available.

SECTION 12: ECOLOGICAL INFORMATION

No data about the ecotoxicity of the mixture.

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12.1 Toxicity

Toxicity to fish	CL50 = 5,3 mg/l <i>Oryzias latipes</i> 2,6-di-tert-butyl-p-cresol
Toxicity to aquatic invertebrates	CE50 = 0,48 mg/l <i>Daphnia magna</i> 48 hours 2,6-di-tert-butyl-p-cresol
Toxicity to aquatic plants	No information available
Toxicity to aquatic plants	No information available
Toxicity for bees	No information available
Toxicity for earth-worms	No information available
Toxicity for birds	No information available.

12.2 Persistence and degradability

Biodegradability	No available data for the mixture.
Koc	No information available.

12.3 Bioaccumulative potential

Bioaccumulation	No further information available for the mixture.
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12.4 Mobility in soil

Mobility in soil No further information available for the mixture.

12.5 Results of PBT and vPvB assessment

PBT and vPvB assessment No further information available for the mixture.

12.6 Other adverse effects

Additional ecological information See the label of the product for additional instructions concerning the precautions measures for the environment that have to be taken during the manipulation of the product.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Generalities Handle non-cleaned product like it is the product itself.

Avoid subsoil penetration.

Do not mix the product or container with other waste.

Product The unused product must be incinerated in an installation approved by the competent authorities.

Contaminated packaging DO NOT reuse empty packaging. Not completely emptied packagings should be disposed of as hazardous waste. Dispose of contents / containers in accordance with local regulations.

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SECTION 14: TRANSPORT INFORMATION

No classification for transport required for the mixture.

ADR/RID/ADN

14.1 UN number	Not applicable.
14.2 Proper shipping name	Not applicable.
14.3 Transport hazard class(es)	Not applicable.
14.4 Packing group	Not applicable.
14.5 Environm.	Not applicable.
Hazardous Mark	
Hazard no.	Not applicable.

This classification is in principle not valid for carriage by tank vessel on inland waterways. Please refer to the manufacturer for further information.

IMDG

14.1 UN number	Not applicable.
14.2 Proper shipping name	Not applicable.
14.3 Transport hazard class(es)	Not applicable.
14.4 Packing group	Not applicable.
14.5 Marin pollutant	Not applicable.

IATA

14.1 UN number	Not applicable.
14.2 Proper shipping name	Not applicable.
14.3 Transport hazard class(es)	Not applicable.
14.4 Packing group	Not applicable.
14.5 Environm.	Not applicable.
Hazardous Mark	

14.6 Special precautions for user

No special precautions for user required.

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

Not concerned.

SECTION 15: REGULATORY INFORMATION

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

Further information

Conformity with REACH annexes

At the present time, the substances mentioned in section 3.2 of this SDS aren't quoted in :

- Annex XIV of REACH Regulation EC 1907/2006 about list of substances subject to authorization

- Annex XVII of REACH Regulation EC 1907/2006 about restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles.

Conformity with CLP

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Specific provisions:

No specific provisions.

15.2 Chemical Safety Assessment

A chemical safety assessment is not required.

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SECTION 16: OTHER INFORMATION**Text of the hazard statements (H sentences) mentioned in Sections 2 and 3:**

H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H373	May cause damage to organs.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Text of hazards classes and categories mentioned in Sections 2 and 3:

Acute Tox. 4	Acute toxicity – dermal route -, Category 4
Acute Tox. 4	Acute toxicity – inhalation route -, Category 4
STOT SE3	Specific target organ toxicity after a single exposure, Category 3
STOT RE2	Specific target organ toxicity after repeated exposure – Category 2
Skin Irrit. 2	Skin Irritation, Category 2
Eye Irrit. 2	Eye Irritation, Category 2
Aquatic Acute 1	Hazardous to the aquatic environment - short term, acute –, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – chronic long term -, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment – chronic long term -, Category 3

Abbreviations and acronyms

ADI	Acceptable Daily Intake
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ARfD	Acute Reference Dose
A.S	Active Substance
ATE	Acute toxicity estimate
BCF	Bioconcentration Factor
CAS-Nr.	Chemical Abstracts Service number
CLP	Classification, Labelling, Packaging regulation
Conc.	Concentration

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DMEL	Derived Minimal Effect Levels
DNEL	Derived No Effect Level
EC-No.	European community number
ECx	Effective concentration to x %
EINECS	European inventory of existing commercial substances
ELINCS	European list of notified chemical substances
EN	European Standard
EU	European Union
IATA	International Air Transport Association
IBC	International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code)
ICx	Inhibition concentration to x %
IMDG	International Maritime Dangerous Goods
Koc	Absorption Coefficient
LCx	Lethal concentration to x %
LDx	Lethal dose to x %
LOEC/LOEL	Lowest observed effect concentration/level
MARPOL	MARPOL: International Convention for the prevention of marine pollution from ships
NOEC/NOEL	No observed effect concentration/level
N.O.S.	Not otherwise specified
OECD	Organization for Economic Co-operation and Development
OSHA	Occupational Safety and Health Administration
PBT	Persistent, Bioaccumulative and Toxic substances
PNEC	Predicted No Effect Concentration
Pow	Partition coefficient: n-octanol / water
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
STOT	Specific Target Organ Toxicity
SVHC	Substance of Very High Concern
TWA	Time weighted average
vPvB	Very Persistent and Very Bioaccumulative
UN	United Nations
WHO	World health organisation

Methods used for classification:

The classification of the product "Solabiol buxatrap box tree moth trap" was calculated according to the methods described in EC 1272/2008 regulation, with regards to the dangers for the environment and for health.

Further information:

Note from SBM Life Science: This SDS was elaborated according to the SDS of the producer of the product.

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Purpose of the reviewing:

Initial version of the Safety Data Sheet.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

Additional information:

The information contained within this Safety Data Sheet is in accordance with the guidelines established by Regulation (EU) 1907/2006 and Regulation (EU) 2015/830 amending Regulation (EU) No 1907/2006 and any subsequent amendments. This data sheet complements the user's instructions, but does not replace them. The information it contains is based on the knowledge and the legislative and regulatory texts available about the product concerned at the time it was compiled. Users are further reminded of the possible risks of using a product for purposes other than those for which it was intended. The information given in this data sheet have to be consider as a description of the requirements for the product and not consider as a guarantee or a quality specification concerning its properties. The required information complies with current EEC legislation. Addressees are requested to observe any additional national requirements.