

Safety Data Sheet in accordance with Regulation (EU) No.453/2010

LAPITEC BIO-CARE PART B

Page 1(14)

Version : 1 - 4 / EU

Revision Date: 25.11.2010
Date of printing : 07.09.2011

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

1.1. Product identifier

Trade name

Lapitec BIO-CARE B

Material number:

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

Industry sector : several industries
Type of use : Coating

1.3. Details of the supplier of the safety data sheet Identification of the company

Lapitec S.p.A.
Via Bassanese, 6
31050 Vedelago (TV)
ITALY
Phone + 39 0423 700239

Information about the substance/mixture

Product Safety
+39 0423 769.1
e-mail: info@breton.it

1.4. Emergency telephone number

+ 39 0423 7691



Lapitec S.p.A.

Via Bassanese 6 - 31050 Vedelago (Treviso) Italy
tel. +39 0423 700239 - fax +39 0423 709540
info@lapitec.it - www.lapitec.it
C.F. 04453430268 - P.iva IT: 04453430268 - r.e.a. di TV 351174 - reg.imp. di TV
Cap. soc. i.v. € 250.000,00

Safety Data Sheet in accordance with Regulation (EU) No.453/2010

LAPITEC BIO-CARE PART B

Page 2(14)

Version : 1 - 4 / EU

Revision Date: 25.11.2010
Date of printing : 07.09.2011

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according CLP regulation (Regulation (EC) No. 1272/2008, as amended)

| Hazard class | Hazard category | H-phrases |
|--------------------------|-----------------|--|
| Flammable liquids | Category 3 | Flammable liquid and vapour. |
| Acute toxicity | Category 4 | Harmful if swallowed. |
| Skin corrosion | Category 2 | Cause skin irritation. |
| Chronic aquatic toxicity | Category 3 | Harmful to aquatic life with long lasting effects. |

Classification according EC Directive (67/548/EEC or 1999/45/EC, as amended)

| Category of danger/Category | Hazard symbol | R - phrases |
|-----------------------------|---------------|---|
| | Flammable | Flammable. |
| | harmful | Harmful if swallowed. |
| | corrosive | Causes skin irritation |
| | | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |

2.2. Label elements

Labelling according CLP regulation (Regulation (EC) No. 1272/2008, as amended)

Hazard pictograms



Lapitec S.p.A.

Via Bassanese 6 - 31050 Veduggio (Treviso) Italy

tel. +39 0423 700239 - fax +39 0423 709540

info@lapitec.it - www.lapitec.it

C.F. 04453430268 - P.iva IT: 04453430268 - r.e.a. di TV 351174 - reg.imp. di TV

Cap. soc. i.v. € 250.000,00

Safety Data Sheet in accordance with Regulation (EU) No.453/2010

LAPITEC BIO-CARE PART B

Page 3(14)

Version : 1 - 4 / EU

Revision Date: 25.11.2010
Date of printing : 07.09.2011

Signal word

Danger

Hazard statements

H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P309 + P311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

2.3. Other hazards

Flammable.
Harmful if swallowed.
Causes burns.
Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment.
Restricted to professional users



Lapitec S.p.A.

Via Bassanese 6 - 31050 Veduggio (Treviso) Italy
tel. +39 0423 700239 - fax +39 0423 709540
info@lapitec.it - www.lapitec.it
C.F. 04453430268 - P.iva IT: 04453430268 - r.e.a. di TV 351174 - reg.imp. di TV
Cap. soc. i.v. € 250.000,00

Safety Data Sheet in accordance with Regulation (EU) No.453/2010

LAPITEC BIO-CARE PART B

Page 4(14)

Version : 1 - 4 / EU

Revision Date: 25.11.2010
Date of printing : 07.09.2011

SECTION 3: Composition/information on ingredients

3.1. Substances

Chemical characterization

Cyclosilazanes, di-Me, Me hydrogen, polymers with di-Me, Me hydrogen silazanes, reaction products with 3-(triethoxysilyl)-1-propanamine

Concentration : <13 %
CAS number : 475645-84-2

Hazard symbols C
R phrases 22 34

tert-Butyl acetate

Concentration : >80%
CAS number : 540-88-5

EINECS number: 208-760-7
Hazard symbols F

R phrases 11 66
Xn Harmful R 22

R 52/53

GHS classification EC

Flammable liquids Category 2 H226

Acute toxicity Category 4 H302

Skin corrosion Category 2 H315

Chronic aquatic toxicity Category 3 H412

The text of the R-phrases is shown in section 16.

The text of the H-phrases is shown in section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove soiled or soaked clothing immediately

If someone exposed to the product feels unwell, contact a doctor and show this safety data sheet.

Adhere to personal protective measures when giving first aid

After inhalation

Remove the casualty into fresh air and keep him calm.

Call in a physician immediately and show him the Safety Data Sheet.

No direct breathing aid should be given by the first medical helper.

Safety Data Sheet in accordance with Regulation (EU) No.453/2010



Lapitec S.p.A.

Via Bassanese 6 - 31050 Veduggio (Treviso) Italy

tel. +39 0423 700239 - fax +39 0423 709540

info@lapitec.it - www.lapitec.it

C.F. 04453430268 - P.iva IT: 04453430268 - r.e.a. di TV 351174 - reg.imp. di TV

Cap. soc. i.v. € 250.000,00

LAPITEC BIO-CARE PART B

Page 5(14)

Version : 1 - 4 / EU

Revision Date: 25.11.2010
Date of printing : 07.09.2011

After contact with skin

In case of contact with skin wash off immediately with plenty of water
Call in a physician immediately and show him the Safety Data Sheet.

After contact with eyes

Rinse immediately with gently running water for 15 minutes, maintaining eyelids open.
Consult at once an ophthalmologist or a physician.

After ingestion

Call in a physician immediately and show him the Safety Data Sheet.
Do not induce vomiting.
Let plenty of water be drunk in small gulps.

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

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

Treatment

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

foam
dry powder
carbon dioxide

Extinguishing media that must not be used for safety reasons

water

5.2. Special hazards arising from the substance or mixture

In case of fires, hazardous combustion gases are formed: Carbon monoxide (CO)
Nitrous gases (NOx)
Silicon dioxide

5.3. Advice for firefighters

Special protective equipment for firefighting

Impermeable protective clothing (jacket and trousers) with helmet.
Use self-contained breathing apparatus

Further information

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

Lapitec S.p.A.

Via Bassanese 6 - 31050 Veduggio (Treviso) Italy

tel. +39 0423 700239 - fax +39 0423 709540

info@lapitec.it - www.lapitec.it

C.F. 04453430268 - P.iva IT: 04453430268 - r.e.a. di TV 351174 - reg.imp. di TV

Cap. soc. i.v. € 250.000,00

Safety Data Sheet in accordance with Regulation (EU) No.453/2010

LAPITEC BIO-CARE PART B

Page 6(14)

Version : 1 - 4 / EU

Revision Date: 25.11.2010
Date of printing : 07.09.2011

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

See: Exposure controls and personal protection.

6.2. Environmental precautions

Do not allow entry to drains, water courses or soil

6.3. Methods and material for containment and cleaning up

Pick up with liquid binding materials and if necessary fill in containers capable of being locked.

Containers in which spilt substance has been collected must be adequately labelled

Dispose of absorbed material in accordance with the regulations.

Clean contaminated floors and objects thoroughly, observing environmental regulations

6.4. Reference to other sections

Additional information

Information regarding Safe handling, see chapter 7.

Information regarding personal protective measures see, chapter 8.

Information regarding Waste Disposal, see chapter 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Provide good ventilation of working area (local exhaust ventilation if necessary).

Advice on protection against fire and explosion

Keep away from sources of ignition - refrain from smoking.

Take precautionary measures against electrostatic charges - earthing necessary during loading operations.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

Keep only in the original container

Advice on storage compatibility

Do not store or transport together with foodstuffs

Further information on storage conditions



Lapitec S.p.A.

Via Bassanese 6 - 31050 Veduggio (Treviso) Italy

tel. +39 0423 700239 - fax +39 0423 709540

info@lapitec.it - www.lapitec.it

C.F. 04453430268 - P.iva IT: 04453430268 - r.e.a. di TV 351174 - reg.imp. di TV

Cap. soc. i.v. € 250.000,00

Safety Data Sheet in accordance with Regulation (EU) No.453/2010

LAPITEC BIO-CARE PART B

Page 7(14)

Version : 1 - 4 / EU

Revision Date: 25.11.2010
Date of printing : 07.09.2011

Keep container tightly closed and dry in a cool, well-ventilated place
Open container periodically in order to release pressure which may be generated (ammonia).
Do not store at temperatures above 25 °C.

7.3. Specific end use(s)

No further recommendations.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

Exposure limit values are not available.

DNEL/DMEL values

DNEL/DMEL values are not available.

PNEC values

PNEC values are not available.

8.2. Exposure controls

Appropriate engineering controls

See section 7; no measures in addition to the ones mentioned are necessary.

General protective measures

Do not inhale vapours

Do not inhale aerosols

Avoid contact with eyes and skin

Observe the usual precautions for handling chemicals.

Hygiene measures

At work do not eat, drink, smoke or take drugs.

Keep away from foodstuffs and beverages.

Wash hands before breaks and after work.

Use barrier skin cream.

Respiratory protection : Use respiratory protection in case of insufficient exhaust



Lapitec S.p.A.

Via Bassanese 6 - 31050 Veduggio (Treviso) Italy

tel. +39 0423 700239 - fax +39 0423 709540

info@lapitec.it - www.lapitec.it

C.F. 04453430268 - P.iva IT: 04453430268 - r.e.a. di TV 351174 - reg.imp. di TV

Cap. soc. i.v. € 250.000,00

Safety Data Sheet in accordance with Regulation (EU) No.453/2010

LAPITEC BIO-CARE PART B

Page 8(14)

Version : 1 - 4 / EU

Revision Date: 25.11.2010
Date of printing : 07.09.2011

ventilation or prolonged exposure
Combination filter A2 B2 E2 K2 Hg/P3, to standard DIN EN 371/372.

Hand protection : For short-term exposure (splash protection):

Butyl rubber gloves.

Minimum thickness / gloves 0,5 mm

These types of protective gloves are offered by various manufacturers. Please note the manufacturers' detailed statements, especially about the minimum thickness and the minimum breakthrough time. Consider also the particular working conditions under which the gloves are being used.

Eye protection : tightly fitting safety glasses

Body protection : protective clothing

9.1. Information on basic physical and chemical properties

| | |
|---------------------------|-------------------------------|
| Physical state : | liquid |
| Form : | Liquid |
| Particle size : | Not applicable |
| Colour : | colourless to slightly yellow |
| Odour : | slightly ammonia-like |
| Odour threshold : | not tested. |
| pH value : | not tested. |
| Freezing point : | not determined |
| Boiling point : | not applicable |
| Flash point : | 20 °C |
| Method : | closed cup |
| Evaporation rate : | not tested. |
| Flammability | |

Lower explosion limit : not tested.



Lapitec S.p.A.

Via Bassanese 6 - 31050 Veduggio (Treviso) Italy

tel. +39 0423 700239 - fax +39 0423 709540

info@lapitec.it - www.lapitec.it

C.F. 04453430268 - P.iva IT: 04453430268 - r.e.a. di TV 351174 - reg.imp. di TV

Cap. soc. i.v. € 250.000,00

Safety Data Sheet in accordance with Regulation (EU) No.453/2010

LAPITEC BIO-CARE PART B

Page 9(14)

Version : 1 - 4 / EU

Revision Date: 25.11.2010
Date of printing : 07.09.2011

| | |
|--|--|
| Upper explosive limit : | not tested. |
| Combustion number : | Not applicable |
| Minimum ignition energy : | not tested. |
| Vapour pressure : | not tested. |
| Vapour density relative to air: | not tested. |
| Solubility in water : | Reacts with water. |
| Octanol/water partition coefficient (log Pow) : | Not applicable |
| Ignition temperature : | not tested. |
| Self-ignition temperature : | not tested. |
| Thermal decomposition : | not tested. |
| Viscosity (dynamic) : | not tested. |
| Explosive properties : | Explosive according to EU supply regulations : no data |
| Oxidizing properties : | not tested. |

9.2. Other information

| | |
|--------------------------|-------------------------|
| Density : | 0,891 g/cm ³ |
| Bulk density : | Not applicable |
| Surface tension : | not tested. |

SECTION 10: Stability and reactivity

10.1. Reactivity

See section 10.3. "Possibility of hazardous reactions"

1

0.2. Chemical stability

May decompose on exposure to moist air or water.

10.3. Possibility of hazardous reactions

Reacts with moisture, water, alcohols and amines to produce ammonia.

Reactions with acids and isocyanates.

Reactions with oxidising agents.

Reactions with alkalies.

10.4. Conditions to avoid

Protect from heat and direct sunlight.

10.5. Incompatible materials

Water/acid/strong oxidizers/halogenated compounds.

10.6. Hazardous decomposition products

Ammonia



Lapitec S.p.A.

Via Bassanese 6 - 31050 Veduggio (Treviso) Italy

tel. +39 0423 700239 - fax +39 0423 709540

info@lapitec.it - www.lapitec.it

C.F. 04453430268 - P.iva IT: 04453430268 - r.e.a. di TV 351174 - reg.imp. di TV

Cap. soc. i.v. € 250.000,00

Safety Data Sheet in accordance with Regulation (EU) No.453/2010

LAPITEC BIO-CARE PART B

Page 10(14)

Version : 1 - 4 / EU

Revision Date: 25.11.2010
Date of printing : 07.09.2011

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|--|--|
| Acute oral toxicity : | LD50 > 6000 mg/kg (rat) |
| Method : | OECD 423 |
| Acute dermal toxicity : | not tested. |
| Acute inhalation toxicity : | not available |
| Irritant effect on skin : | corrosive (rabbit) |
| Method : OECD 404 | |
| Irritant effect on eyes : | cause serious eye irritation |
| Information derived from the corrosive effect on skin | |
| Sensitization : | Not known |
| Repeated dose toxicity: | not tested. |
| Genetic toxicity in vitro : Test type : | Ames test |
| Test system : | Escherichia coli |
| Metabolic activation : | with and without |
| Result : | Negative with and without metabolic activation |
| Method : | OECD 471 |
| Assesment of mutagenicity : | Not mutagenic in Ames Test. |
| Assessment of carcinogenicity : | not tested. |
| Assessment of toxicity to reproduction : | not tested. |
| Assessment of teratogenicity: | not tested. |
| Specific target organ toxicity (STOT) - single exposure : | |
| Remarks : | not tested. |
| Specific target organ toxicity (STOT) - repeated exposure : | |
| Remarks : | not tested. |
| Aspiration hazard : | |
| Data for aspiration toxicity are not available. | |

SECTION 12: Ecological information

12.1. Toxicity

Fish toxicity : LC50 57,1 mg/l (96 h, Zebra fish (Danio rerio))



Lapitec S.p.A.

Via Bassanese 6 - 31050 Veduggio (Treviso) Italy

tel. +39 0423 700239 - fax +39 0423 709540

info@lapitec.it - www.lapitec.it

C.F. 04453430268 - P.iva IT: 04453430268 - r.e.a. di TV 351174 - reg.imp. di TV

Cap. soc. i.v. € 250.000,00

Safety Data Sheet in accordance with Regulation (EU) No.453/2010

LAPITEC BIO-CARE PART B

Page 11(14)

Version : 1 - 4 / EU

Revision Date: 25.11.2010
Date of printing : 07.09.2011

Method : OECD 203
Daphnia toxicity : not tested.
Algae toxicity : not tested.
Bacteria toxicity : not tested.

12.2. Persistence and degradability

Biodegradability : not tested.

12.3. Bioaccumulative potential

Bioaccumulation: not available

12.4. Mobility in soil

**Transport and distribution
between environmental
compartments :**

not tested.

Behaviour in environmental compartments

No known data.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

Additional ecotoxicological remarks

Apart from the information given in this Safety Data Sheet on environmental effects, there are no additional data on mobility, persistence, degradability and bioaccumulation available.
Do not allow to enter soil, waterways or waste water

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product

Product should be taken to a suitable and authorized waste disposal site in accordance with relevant regulations and if necessary after consultation with the waste disposal operator and/or the competent Authorities

Do not mix with aqueous wastes or wastes containing protic substances.

Uncleaned packaging

Packaging that cannot be cleaned should be disposed of as product waste



Lapitec S.p.A.

Via Bassanese 6 - 31050 Veduggio (Treviso) Italy

tel. +39 0423 700239 - fax +39 0423 709540

info@lapitec.it - www.lapitec.it

C.F. 04453430268 - P.iva IT: 04453430268 - r.e.a. di TV 351174 - reg.imp. di TV

Cap. soc. i.v. € 250.000,00

Safety Data Sheet in accordance with Regulation (EU) No.453/2010

LAPITEC BIO-CARE PART B

Page 12(14)

Version : 1 - 4 / EU

Revision Date: 25.11.2010
Date of printing : 07.09.2011

SECTION 14: Transport information

Section 14.1. to 14.5.

ADR

| | |
|-----------------------|-------------------|
| UN no. | UN 1123 |
| Proper shipping name: | Flammable liquid, |
| Hazard inducer(s): | Butyl Acetate |
| Class: | 3 |
| Primary risk: | 3 |
| Secondary risk: | 8 |
| Packing group: | III |
| Hazard no. : | 338 |
| Remarks Shipment | permitted |

ADNR

| | |
|-----------------------|-------------------|
| UN no. | UN 1123 |
| Proper shipping name: | Flammable liquid, |
| Hazard inducer(s): | Butyl Acetate |
| Class: | 3 |
| Primary risk: | 3 |
| Secondary risk: | 8 |
| Packing group: | III |
| Hazard no. : | 338 |
| Remarks Shipment | permitted |

RID

| | |
|-----------------------|-------------------|
| UN no. | UN 1123 |
| Proper shipping name: | Flammable liquid, |
| Hazard inducer(s): | Butyl Acetate |
| Class: | 3 |
| Primary risk: | 3 |
| Secondary risk: | 8 |
| Packing group: | III |
| Hazard no. : | 338 |
| Remarks Shipment | permitted |

IATA

| | |
|-----------------------|-------------------|
| UN no. | UN 1123 |
| Proper shipping name: | Flammable liquid, |
| Hazard inducer(s): | Butyl Acetate |
| Class: | 3 |
| Primary risk: | 3 |



Lapitec S.p.A.

Via Bassanese 6 - 31050 Vedelago (Treviso) Italy

tel. +39 0423 700239 - fax +39 0423 709540

info@lapitec.it - www.lapitec.it

C.F. 04453430268 - P.iva IT: 04453430268 - r.e.a. di TV 351174 - reg.imp. di TV

Cap. soc. i.v. € 250.000,00

Safety Data Sheet in accordance with Regulation (EU) No.453/2010

LAPITEC BIO-CARE PART B

Page 13(14)

Version : 1 - 4 / EU

Revision Date: 25.11.2010
Date of printing : 07.09.2011

Secondary risk: 8
Packing group: III
Hazard no. : 338
Remarks Shipment permitted

IMDG

UN no. UN 1123
Proper shipping name: Flammable liquid,
Hazard inducer(s): Butyl Acetate
Class: 3
Primary risk: 3
Secondary risk: 8
Packing group: III
Hazard no. : 338
Remarks Shipment permitted
EmS : F-E S-C

14.6. Special precautions for user

See sections 6 to 8 of this Safety Data Sheet.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No transport as bulk according IBC - Code.

SECTION 15: Regulatory information

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

15.2. Chemical safety assessment

No Chemical Safety Assessment (CSA) is yet available for the substance, or for the component substances, contained in this product.

SECTION 16: Other information

Observe national and local legal requirements

Text of the R-phrases assigned to the ingredients/components mentioned in section

3 :

10 Flammable

22 Harmful if swallowed.

36 Cause Skin Irritation

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

List of the text of the hazard statements mentioned section 3 (H-phrases) :

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.



Lapitec S.p.A.

Via Bassanese 6 - 31050 Veduggio (Treviso) Italy

tel. +39 0423 700239 - fax +39 0423 709540

info@lapitec.it - www.lapitec.it

C.F. 04453430268 - P.iva IT: 04453430268 - r.e.a. di TV 351174 - reg.imp. di TV

Cap. soc. i.v. € 250.000,00

Safety Data Sheet in accordance with Regulation (EU) No.453/2010

LAPITEC BIO-CARE PART B

Page 14(14)

Version : 1 - 4 / EU

Revision Date: 25.11.2010
Date of printing : 07.09.2011

H315 Causes skin irritation.

H412 Harmful to aquatic life with long lasting effects.

Decimal notation: "thousands" places are identified with a dot (for example, "2.000 mg/kg" means "two thousand mg/kg"). Decimal places are identified with a comma (for example, "1,35 g/cm³" means "one point three five g/cm³").

This information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. Lapitec S.p.A. makes no warranties, express or implied, as to the information's accuracy, adequacy, sufficiency or freedom from defect and assumes no liability in connection with any use of this information. Any user of this product is responsible for determining the suitability of Lapitec S.p.A. products for its particular application. Nothing included in this information waives any of Lapitec S.p.A. General Terms and Conditions of Sale, which control unless it agrees otherwise in writing. Any existing intellectual/industrial property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheets providing safety precautions, that should be observed when handling or storing Lapitec S.p.A. products, are available upon request and are provided in compliance with applicable law. You should obtain and review the applicable Material Safety Data Sheet information before handling any of these products. For additional information, please contact Lapitec S.p.A.

Lapitec S.p.A.

Via Bassanese 6 - 31050 Veduggio (Treviso) Italy

tel. +39 0423 700239 - fax +39 0423 709540

info@lapitec.it - www.lapitec.it

C.F. 04453430268 - P.iva IT: 04453430268 - r.e.a. di TV 351174 - reg.imp. di TV

Cap. soc. i.v. € 250.000,00