

SAFETY DATA SHEET

according to Regulation 1907/2006/CE

Doc. N° 25RPP2000 rev.1
Date of issue:06/2015

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

1.1 Product identifiers

Product name: **Mini-System Ecosaf**

Product Number: **25RPP2000**

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

Identified uses: Laboratory chemicals.

1.3 Details of the supplier of the safety data sheet

Company :

Biolife Italiana S.r.l.
Viale Monza 272, 20128 Milano, Italia.
Tel.: 0039 02 25209.1 - Fax: 0039 02 2576428
E-mail: mktg@biolifeitaliana.it

1.4 Emergency telephone number

Emergency Phone

Italy : 0039 02 66101029
Other countries: refer to local Anti-Poison Centre

SECTION 2: Hazards identification



2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Causes skin irritation (cat.2). H315
May cause an allergic skin reaction (cat.1): H317
May cause genetic defects (cat.1): H340
For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 Label elements

Labeling according to Regulation (EC) No 1272/2008

| | | |
|----------------------------|--|---|
| Pictogram |  |  |
| Signal word | Danger | |
| Hazard statement(s) | Causes skin irritation. May cause an allergic skin reaction. May cause genetic defects | |
| H315 | | |
| H317 | | |
| H340 | | |
| Precautionary statement(s) | Wash hands thoroughly after use Wear protective gloves/protective clothing/eye protection/face protection. IF ON SKIN: Wash with plenty of soap and water. | |
| P264 | | |
| P280 | | |
| P302+352 | | |



P332+313
P362

If skin irritation occurs: Get medical advice/attention.
Take off contaminated clothing and wash before reuse.

Supplemental Hazard

Restricted to professional users.

2.3 Other hazards -

none

3. Composition/information on ingredients

3.1 Substance

Hazardous ingredients according to Regulation (EC) No 1272/2008

| Component | | Classification | Concentration |
|---------------------|--------------|--|---------------|
| Formaldehyde | | | |
| N° CAS | 50-00-0 | Acute Tox. 3(oral); Acute Tox. 3(dermal) ; Acute Tox. 3(inhalation). Skin Corrosive 1B; Skin sens. 1; Muta 2; Cancerog.1B; STOT SE 1; STOT SE sist. resp. 3. H301+H331,H311;H314;H317;H341; H350; H370;H335 | 0.58% |
| Methanol | | | |
| N° CAS | 67-56-1 | Acute Tox. 3(oral); Acute Tox. 3(dermal) ; Acute Tox. 3(inhalation); Flammable liquid 2; STOT SE1 H301+H331,H311,H225;H370 | 0.4% |
| Acetic Acid | | | |
| N° CAS | 607-002-00-6 | Skin Corrosive (cat.1); Flammable liquid (cat.3) H314; H226 | 2% |
| Triton X-100 | | | |
| N° CAS | 9002-93-1 | Acute Tox. 4 (orale); eye irritation 2; Cronic tox for acquatic life 2. H302; H319; H411 | 0.16% |

Hazardous ingredients according to Directive 1999/45/EC

| Component | | Classification | Concentration |
|---------------------|--------------|---|---------------|
| Formaldehyde | | | |
| N° CAS | 50-00-0 | T; C; Xn; Xi R23/24/25, R39/23/24/25, R45, R34, R68, R43 | 0.58% |
| Methanol | | | |
| N° CAS | 67-56-1 | F; T; R11; R23/24/25; R39/23/24/25 | 0.4% |
| Acetic Acid | | | |
| N° CAS | 607-002-00-6 | C; R10; R35 | 2% |
| Triton X-100 | | | |
| N° CAS | 9002-93-1 | Xn, N, R22, R36, R51/53 | 0.16% |

For the full text of the H-Statements and R-Phrases mentioned in this Section, see Section 16

4. First aid measures

4.1 Description of first aid measures

General information

Consult a physician. Show this safety data sheet to the doctor in attendance.

May cause sensitization by contact with Skin. Avoid contact with skin, eyes and clothing

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

In case of eye contact

Wash thoroughly eyes with plenty of water for at least 15 minutes. If irritation persist consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Call a physician or a poison control center and show the bottle or the label.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

no data available

5. Fire fighting measures

The product is not combustible

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

no data available

5.3 Advice for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further information

no data available

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.

6.2 Environmental precautions

Avoid leakage or spillage, if this can be done without danger. Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Remove the liquid with a paper towel and wipe off any water. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

7. Handling and storage

7.1 Precautions for safe handling

Use disposable gloves. Avoid contact with skin, clothes and eyes.
Handle in accordance with Good Laboratory Practice
For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place and protected from sunlight.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. Exposure controls/personal protection

8.1 Control parameters

Components with workplace control parameters

It doesn't contain substances with occupational exposure limit value.

8.2 Exposure controls

Appropriate engineering controls

Restricted to professional users.
Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate, use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).



Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|---|-------------------|
| a) Appearance Form: | liquid |
| Odour | Color: colourless |
| c) Odour Threshold | no data available |
| d) pH | no data available |
| e) Melting point/freezing point | no data available |
| f) Initial boiling point and boiling range | no data available |
| g) Flash point | no data available |
| h) Evaporation rate | no data available |
| i) Flammability (solid, gas) | no data available |
| j) Upper/lower flammability or explosive limits | no data available |
| k) Vapour pressure | no data available |
| l) Vapour density | no data available |
| m) Relative density | no data available |
| n) Water solubility | no data available |
| o) Partition coefficient: n-octanol/water | no data available |
| p) Auto-ignition temperature | no data available |
| q) Decomposition temperature | no data available |
| r) Viscosity | no data available |
| s) Explosive properties | no data available |
| t) Oxidizing properties | no data available |

9.2 Other safety information no data available

10. Stability and reactivity

10.1 Reactivity no data available

10.2 Chemical stability Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions no data available

10.4 Conditions to avoid exposure to sunlight. Extreme temperature changes

10.5 Incompatible materials no data available

10.6 Hazardous decomposition products Other decomposition products - no data available. In the event of fire: see section 5

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity No experimental toxicological informations available. Formaldehyde can cause sensitization by skin contact and cause cancer. (insufficient evidence).

| | |
|---|---|
| Skin corrosion/irritation | no data available |
| Serious eye damage/eye irritation | no data available |
| Respiratory or skin sensitisation | no data available |
| Germ cell mutagenicity | no data available |
| Carcinogenicity | IARC: 3 – Group 3: Not classifiable regarding human carcinogenicity |
| Reproductive toxicity | no data available |
| Specific target organ toxicity - single exposure | no data available |
| Specific target organ toxicity - repeated exposure | no data available |
| Aspiration hazard | no data available |
| Additional Information | no data available |

12. Ecological information

| | |
|--|---|
| 12.1 Toxicity | no data available |
| 12.2 Persistence and degradability | no data available |
| 12.3 Bio accumulative potential | no data available |
| 12.4 Mobility in soil | no data available |
| 12.5 Results of PBT and vPvB assessment | PBT/vPvB assessment not available as chemical safety assessment not required/not conducted. |
| 12.6 Other adverse effects | no data available |

13. Disposal considerations
13. Disposal considerations
13.1 Waste treatment methods

Product Offer surplus and non-recyclable solutions to a licensed disposal company. Dispose of in accordance with local and national regulations.

Contaminated packaging Dispose of as unused product.

14. Transport information

| | |
|-------------------------------------|--|
| 14.1 UN number | ADR/RID: - IMDG: - IATA: - |
| 14.2 UN proper shipping name | ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods |



| | |
|--|--|
| 14.3 Transport hazard class(es) | ADR/RID: - IMDG: - IATA: - |
| 14.4 Packaging group | ADR/RID: - IMDG: - IATA: - |
| 14.5 Environmental hazards | ADR/RID: no IMDG Marine pollutant: no IATA: no |
| 14.6 Special precautions for user | no data available |

15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
no data available

15.2 Chemical Safety Assessment
For this product a chemical safety assessment was not carried out

16. Other information

Full text of H-Statements referred to under sections 2 and 3.

H315: Causes skin irritation
H317: May cause an allergic skin reaction.
H340: May cause genetic defects exposure cause the hazard H301+H331:tossico se ingerito o inalato
H311: Toxic in contact with skin.
H314: Causes severe skin burns and eye damage
H317: May cause an allergic skin reaction
H341: Suspected of causing genetic defects H350: può provocare il cancro H370: Causes damage to organs
H335: May cause respiratory irritation
H225: Highly flammable liquid and vapour
H226: Flammable liquid and vapour H302: Harmful if swallowed.
H319: Causes serious eye irritation
H411: Toxic to aquatic life with long lasting effects

Testo integrale delle frasi R citate nei Capitoli 2 e 3

T Toxic
C Corrosiv
Xn Harmful
Xi Irritant
R23/24/25 Toxic by inhalation, in contact with skin and if swallowed
R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed
R45 May cause cancer
R34 Causes burns
R68 Possible risk of irreversible effects
R43 May cause sensitisation by skin contact
F Easily flammable
R11 Highly flammable
R10 flammable
R35 Causes severe burns
N dangerous for the environment
R22 Harmful if swallowed.
R36 ccc
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.



Further information

Restrictions on use no data available

Advice no data available

Literary reference no data available

The above information is believed to be correct but does not purpose to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It doesn't represent any guarantee of the properties of the product. Biolife S.r.l. shall not be held liable for any damage resulting from handling or from contact with the above product.

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