

SAFETY DATA SHEET

Phospholipid, REF PL052
Revision date: September 27, 2017

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

1.1 Product identifiers

Product Name: **Phospholipid**
0.25 mM Phospholipid emulsion in vials á 3 mL

Product Number: **PL052**

1.2 Intended Use

In Vitro Research Use

1.3 Company Identification

Rossix AB
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S-43153 Molndal
Sweden

Tel: +46 (0)31 706 8965
Fax: +46 (0)31 706 8966
info@rossix.com
www.rossix.com

1.4 Emergency Telephone Number

European Union: 112
US: 911
Other countries: Call national emergency phone number

2. HAZARDS IDENTIFICATION

2.1 Mixture Classification

Not a hazardous mixture according to Regulation (EC) No 1272/2008

Not classified as dangerous according to Directive 67/548/EEC

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Name | Cas-No. | EC-No. | Conc. % w/w | Classification 67/548/ECC | Classification 1272/2008/EC |
|--|-----------|-----------|----------------|------------------------------|--|
| PL052 - Phospholipid | | | | | |
| Phospholipids | - | - | < 1% | - | - |
| The 0.25 mM phospholipid emulsion consists of the following phospholipids: | | | | | |
| Phosphatidylserine - synthetic origin | | | | | |
| Phosphatidylcholine - synthetic origin | | | | | |
| Sfingomyelin – purified from egg | | | | | |
| Tris HCl | 1185-53-1 | 214-684-5 | < 1% | Xi R36/37/38 | Eye Irrit. 2, H319 Skin Irrit. 2, H315 STOT SE 3, H335 |
| Tris | 77-86-1 | 201-064-4 | < 1% | Xi R36/38 | Eye Irrit. 2, H319 Skin Irrit. 2, H315 |
| for phrases R and hazard statements text see ch. 16 | | | | | |

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4. FIRST AID MEASURES

| | |
|----------------------|--|
| Ingestion: | Never give anything by mouth to an unconscious person. If swallowed rinse mouth with plenty of water provided person is conscious. Get medical advice. |
| Inhalation exposure: | If inhaled, move person to fresh air. Get medical advice if adverse symptoms appear. |
| Contact with skin: | Wash off with soap or mild detergent and plenty of water. Get medical advice if adverse symptoms appear. |
| Contact with eyes: | Wash immediately with plenty of water or normal saline. Get medical advice if adverse symptoms appear. |

5. FIRE-FIGHTING MEASURES

| | |
|--|---|
| Suitable extinguishing media: | Use water spray or regular foam, dry powder or CO ₂ . |
| Special hazards arising from the mixture: | Thermal decomposition or combustion may generate toxic and hazardous fumes of CO _x and NO _x . |
| Equipment for self-protection (fire fighters): | Self-contained breathing apparatus, flame and chemical resistant clothing, boots and gloves. |

6. ACCIDENTAL RELEASE MEASURES

| | |
|---|--|
| Personal precautions: | Suitable protective clothing, gloves, safety glasses. |
| Environmental precautions: | Comply with local environmental regulations on waste handling and disposal. Do not empty into drains. |
| Method for containment and cleaning up: | Soak up with inert absorbent material and clean with plenty of water. Keep in suitable closed containers for disposal. |

7. HANDLING AND STORAGE

7.1 Handling

| | |
|---|---|
| Must be used only by suitably trained and informed personnel. | |
| P280 | Wear chemical resistant gloves, chemical safety glasses and protective laboratory clothing. |
| P264 | Wash hands with soap thoroughly after handling. |
| P270 | Do not eat, drink or smoke when using this product. |

7.2 Storage

| | |
|--|---|
| Room ventilation: | Well ventilated workspace. |
| Storage temperature: | 2 - 8°C |
| Humidity, light and other environmental factors: | Do not store in direct sunlight, protect from heat. |

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Containers: Keep containers tightly closed.

8. EXPOSURE CONTROLS /PERSONAL PROTECTION

| | |
|---------------------------|---|
| Ventilation: | Provide adequate ventilation. |
| Respiratory protection: | Respiratory protection is not required. |
| Skin protection: | Protective clothing. |
| Eye protection: | Safety glasses. |
| Hand protection: | Protective gloves. |
| Hygienic measures: | General industrial hygiene practice. |
| Environmental protection: | Avoid any release into the environment |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-------------------|---|
| Appearance: | Slightly turbid, non colored emulsion. Liquid |
| Odour: | no data available |
| Odour Threshold: | no data available |
| pH: | no data available |
| Melting point: | no data available |
| Boiling point: | no data available |
| Flash point: | no data available |
| Evaporation rate: | no data available |
| Vapour pressure: | no data available |
| Vapour density: | no data available |
| Relative density: | no data available |
| Water solubility: | Miscible |
| Viscosity: | no data available |

10. STABILITY AND REACTIVITY

The product is stable when stored at 2 - 8°C
No known hazardous reactions when handled and stored according to provisions.

| | |
|-----------------------------------|--|
| Conditions to avoid: | Keep away from heat and light. |
| Materials to avoid: | No data available. |
| Hazardous decomposition products: | Does not decompose when used for intended uses. Hazardous decomposition products formed under fire conditions: Carbon oxides and nitrogen oxides. |

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11. TOXICOLOGICAL INFORMATION

The product's toxicological properties have not been thoroughly investigated and quantitative toxicological data are not available.

The product is intended for in vitro research use only, by experienced and suitably trained personal. There is no known special risk when used under these conditions.

Potential health effects

| | |
|-------------------|---|
| Inhalation | May be harmful if inhaled. May cause respiratory tract irritation. |
| Ingestion | May be harmful if swallowed. |
| Skin | May be harmful if absorbed through skin. May cause skin irritation. |
| Eyes | May cause eye irritation. |

| | |
|------------------------------------|-------------------|
| Acute toxicity: | no data available |
| Skin corrosion/irritation: | no data available |
| Serious eye damage/eye irritation: | no data available |
| Respiratory or skin sensitization: | no data available |
| Germ cell mutagenicity | no data available |
| Carcinogenicity | no data available |
| Reproductive toxicity | no data available |

12. ECOLOGICAL INFORMATION

Data regarding the product's ecotoxicology are not available. Do not empty product into waters or drains.

13. DISPOSAL CONSIDERATIONS

National and local laws on disposal must be considered. Used waste product, surplus product or spillage product shall be disposed of in accordance with (where applicable) national, state and local laws respectively.

14. TRANSPORT INFORMATION

Not classified as dangerous for transport in accordance with ADR/RID, IMDG, IATA and DOT regulations.

The product can be shipped at ambient temperature for a short period, not exceeding 7 days. It must be stored at 2 - 8°C upon receipt.

15. REGULATORY INFORMATION

Not a hazardous mixture according to Regulation (EC) No 1272/2008.

This mixture is not classified as dangerous according to Directive 67/548/EEC.

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16. OTHER INFORMATION

Phrases R: R36/38: Irritating to eyes and skin.
R36/37/38: Irritating to eyes, respiratory system and skin

Hazard Statements: H319: Causes serious eye irritation.
H315: Causes skin irritation.
H335: May cause respiratory irritation.

For In Vitro Research Use Only

Last revision date: September 27, 2017
Revision was made in sections: Section 3 was updated to include information on what types of phospholipids, and their origins, that is included in the phospholipid emulsion.

The above information is believed to be correct but does not purport 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 does not represent any guarantee of the properties of the product. Rossix AB and its appointed agents/distributors shall not be held liable for any damage resulting from handling or from contact with the above product.

Rossix AB reserves the right to revise this SDS periodically as new information becomes available.