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| SAFETY | DATA | SHEET |
|-------------------|----------------|--------------|
| according to Regu | lation (EC) No | o. 1907/2006 |

Version 6.4 Revision Date 26.03.2022 Print Date 10.05.2024 GENERIC EU MSDS - NO COUNTRY SPECIFIC DATA - NO OEL DATA

| SEC | TION 1: Identification of | t | he substance/mixture and of the company/undertaking | |
|-----|--|-----------------------|---|--|
| 1.1 | Product identifiers | | | |
| | Product name | : | 1,2-Dioleoyl-sn-glycero-3-phosphocholine | |
| | | - | P6354 Sigma | |
| | | | A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline. | |
| | CAS-No. | : | 4235-95-4 | |
| 1.2 | .2 Relevant identified uses of the substance or mixture and uses advised again | | | |
| | Identified uses | : | Laboratory chemicals, Manufacture of substances | |
| 1.3 | Details of the supplier of | the safety data sheet | | |
| | Company | : | Merck Life Science S.r.I. Via Monte Rosa 93 I-20149 MILANO | |
| | • | | +39 02 3341 7340 +39 02 3801 0737 serviziotecnico@merckgroup.com | |
| 1.4 | Emergency telephone | | | |
| | Emergency Phone # | : | 800-789-767 (CHEMTREC Italia) +39-02-4555-7031 (CHEMTREC chiamate internazionali) +39 02-6610-1029 (Centro Antiveleni Niguarda Ca' Granda - Milano) | |

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

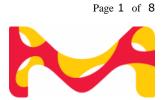
2.2 Label elements

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

2.3 Other hazards - none

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SECTION 3: Composition/information on ingredients

| 3.1 | Substances | | 1.2 Di(cic 0 octodoconovil) on alveoro 2 phoephocholing |
|-----|------------------|---|--|
| | Synonyms | • | 1,2-Di(cis-9-octadecenoyl)-sn-glycero-3-phosphocholine DOPC |
| | | | 3-sn-Phosphatidylcholine, 1,2-dioleoyl |
| | | | L-β,γ-Dioleoyl-a-lecithin |
| | | | L-a-Phosphatidylcholine, dioleoyl |
| | Formula | : | C ₄₄ H ₈₄ NO ₈ P |
| | Molecular weight | : | 786,11 g/mol |
| | CAS-No. | : | 4235-95-4 |
| | EC-No. | : | 224-193-8 |

No components need to be disclosed according to the applicable regulations.

SECTION 4: First aid measures

4.1 Description of first-aid measures

If inhaled

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

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

- **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

SECTION 5: Firefighting measures

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

Carbon oxides Nitrogen oxides (NOx) Oxides of phosphorus

- **5.3** Advice for firefighters Wear self-contained breathing apparatus for firefighting if necessary.
- 5.4 Further information No data available

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SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Avoid dust formation. Avoid breathing vapors, mist or gas. For personal protection see section 8.
- **6.2 Environmental precautions** Do not let product enter drains.
- **6.3 Methods and materials for containment and cleaning up** Sweep up and shovel. Keep in suitable, closed containers for disposal.
- **6.4 Reference to other sections** For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on protection against fire and explosion Provide appropriate exhaust ventilation at places where dust is formed.

Hygiene measures

General industrial hygiene practice. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

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

Storage stability

Recommended storage temperature -20 °C

Storage class

Storage class (TRGS 510): 13: Non Combustible Solids

7.3 Specific end use(s)

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

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with workplace control parameters

8.2 Exposure controls

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

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with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

Full contact Material: Nitrile rubber Minimum layer thickness: 0,11 mm Break through time: 480 min Material tested:Dermatril® (KCL 740 / Aldrich Z677272, Size M)

Splash contact Material: Nitrile rubber Minimum layer thickness: 0,11 mm Break through time: 480 min Material tested:Dermatril® (KCL 740 / Aldrich Z677272, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the EC approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Do not let product enter drains.

SECTION 9: Physical and chemical properties 9.1 Information on basic physical and chemical properties

- a) Physical state powder, (lyophilized)b) Color No data available
- c) Odor No data available
- d) Melting No data available point/freezing point
- e) Initial boiling point No data available and boiling range
- Flammability (solid, No data available gas)

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| g) | Upper/lower flammability or explosive limits | No data available |
|----|--|--|
| h) | Flash point | No data available |
| i) | Autoignition temperature | No data available |
| j) | Decomposition temperature | No data available |
| k) | рН | No data available |
| I) | Viscosity | Viscosity, kinematic: No data available Viscosity, dynamic: No data available |
| m) | Water solubility | No data available |
| n) | Partition coefficient: n-octanol/water | No data available |
| o) | Vapor pressure | No data available |
| p) | Density | No data available |
| | Relative density | No data available |
| q) | Relative vapor density | No data available |
| r) | Particle characteristics | No data available |
| | | |

- s) Explosive properties No data available
- t) Oxidizing properties No data available
- 9.2 Other safety information No data available

SECTION 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** No data available
- **10.5 Incompatible materials** Strong oxidizing agents
- **10.6 Hazardous decomposition products** In the event of fire: see section 5

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Oral: No data available Inhalation: No data available Dermal: 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

Specific target organ toxicity - single exposure No data available

Specific target organ toxicity - repeated exposure No data available

Aspiration hazard No data available

11.2 Additional Information

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: Ecological information

12.1 Toxicity

No data available

- 12.2 Persistence and degradability No data available
- **12.3 Bioaccumulative 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 Endocrine disrupting properties** No data available

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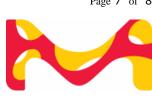
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No data available

| SECT | 'ION 13: D | isposal considera | tions | | | | |
|--|--|---|------------------------|--------------|-------------|-----------|-------------|
| 13.1 | Waste tre | eatment methods | | | | | |
| | Product Offer surp | lus and non-recycla | ble solutions to a lic | ensed dispos | al compan | ý. | |
| Contaminated packaging Dispose of as unused product. | | | | | | | |
| SECT | TON 14: T | ransport informat | ion | | | | |
| 14.1 | UN numb ADR/RID: | - | IMDG: - | | IATA: - | | |
| 14.2 | | er shipping name Not dangerous goo Not dangerous goo Not dangerous goo | ods | | | | |
| 14.3 | Transport ADR/RID: | t hazard class(es) - | IMDG: - | | IATA: - | | |
| 14.4 | Packagin ADR/RID: | | IMDG: - | | IATA: - | | |
| 14.5 | Environm ADR/RID: | nental hazards no | IMDG Marine pollu | tant: no | IATA: no | | |
| 14.6 | | recautions for use | | | | | |
| 15.1 | Not classif TON 15: R Safety, he | egulatory information | the meaning of tran | | | for the | |
| subs | | rial safety data shee | et complies with the | requirement | s of Regula | tion (EC) | No. |
| | | nal Chemical Weapo hedules of Toxic Che | | : | | | |
| | | ns on the marketing s substances | and use of certain | : | | | |
| | Parliamen | n (EC) No 649/2012 t and the Council co d import of dangero | : | | | | |
| | | Candidate List of Sul ern for Authorisatio | | : | | | |
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| | fe science bu S and Canad | | ates as MilliporeSigma | in | | | A |



15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

SECTION 16: Other information

Further information

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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. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.sigma-aldrich.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

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