

**Microvettes CB 300 LH / Microvettes LH / Minivettes POCT LH**

Revision date: 04/04/2024

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**1. Identification**

**Product identifier**

Microvettes CB 300 LH / Microvettes LH / Minivettes POCT LH

**Recommended use of the chemical and restrictions on use**

**Use of the substance/mixture**

For plasma separation.

**Uses advised against**

Observe the instructions for use and handling.

**Details of the supplier of the safety data sheet**

**Manufacturer**

Company name: SARSTEDT AG & Co. KG  
Street: Sarstedtstraße 1  
Place: D-51588 Nümbrecht  
Post-office box: 1220  
D-51582 Nümbrecht

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Responsible Department: R & D Center

**Supplier**

Company name: Sarstedt Inc.  
Street: 1025 St. James Church Road  
Place: USA-28658 Newton, NC  
Post-office box: 468  
USA Newton, NC

Telephone: +1 828 465 4000

Telefax: +1 828 465 4003

E-mail: info.us@sarstedt.com

Internet: www.sarstedt.com

**Emergency phone number:** Poison Control: 1-800-222-1222

**Further Information**

All information in this safety data sheet refers to the unused product and its preparation.

**2. Hazard(s) identification**

**Classification of the chemical**

**29 CFR Part 1910.1200**

Respiratory or skin sensitization: Resp. Sens. 1

Respiratory or skin sensitization: Skin Sens. 1

**Label elements**

**29 CFR Part 1910.1200**

**Signal word:** Danger

**Pictograms:**



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**Hazard statements**

May cause an allergic skin reaction  
May cause allergy or asthma symptoms or breathing difficulties if inhaled

**Precautionary statements**

Avoid breathing dust/fume/gas/mist/vapors/spray.  
Contaminated work clothing must not be allowed out of the workplace.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Wear respiratory protection.  
If on skin: Wash with plenty of water.  
Specific treatment (see ... on this label).  
If skin irritation or rash occurs: Get medical advice/attention.  
Wash contaminated clothing before reuse.  
If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.  
If experiencing respiratory symptoms: Call a poison center/doctor.  
Dispose of contents/container to ....

**Additional advice on labelling**

none

**Hazards not otherwise classified**

No information available.

**3. Composition/information on ingredients**

**Mixtures**

**Chemical characterization**

The article contains lithium heparin in a quantity customary for the anticoagulation of human blood. Depending on the article, a capillary coated with lithium heparin may be included.

**Relevant ingredients**

CAS No	Components	Quantity
9045-22-1	Lithium heparin	100 %

**4. First-aid measures**

**Description of first aid measures**

**After inhalation**

Provide fresh air. If breathing is irregular or stopped, administer artificial respiration. Medical treatment necessary.

**After contact with skin**

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation persists: Get medical advice/attention.

**After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

**After ingestion**

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. The capillaries can cause a blockage in the stomach and intestinal area. Do not administer laxative. Do not induce vomiting unless instructed by a physician.

**Most important symptoms and effects, both acute and delayed**

No information available.

**Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

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**5. Fire-fighting measures**

**Extinguishing media**

**Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.

**Specific hazards arising from the chemical**

In case of fire, the smoke may contain, in addition to the base material, combustion products with not definable toxic and / or irritant compositions. Combustion products may i.a. contain: carbon dioxide. Carbon monoxide.

**Special protective equipment and precautions for fire-fighters**

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

**Additional information**

Suppress gases/vapors/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

**General advice**

Wear suitable protective gloves when taking blood samples and handling potentially infectious material, as well as when handling the article.

**Environmental precautions**

Do not allow to enter into surface water or drains.

**Methods and material for containment and cleaning up**

**Other information**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

**Reference to other sections**

Safe handling: see section 7

Personal protection equipment (PPE): see section 8

Disposal: see section 13

**7. Handling and storage**

**Precautions for safe handling**

**Advice on safe handling**

Observe the instructions for use and handling. Wear suitable protective gloves when taking blood samples and handling potentially infectious material, as well as when handling the article.

**Advice on protection against fire and explosion**

No special fire protection measures are necessary.

**Advice on general occupational hygiene**

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme.

Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff.

**Conditions for safe storage, including any incompatibilities**

**Requirements for storage rooms and vessels**

Store at room temperature.

**Hints on joint storage**

No special measures are necessary.

**8. Exposure controls/personal protection**

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**Control parameters**

**Exposure controls**



**Individual protection measures, such as personal protective equipment**

**Eye/face protection**

Wear eye protection.

**Hand protection**

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Wear suitable protective gloves when taking blood samples and handling potentially infectious material. Wear suitable protective gloves when taking blood samples and handling potentially infectious material, as well as when handling the article.

**Skin protection**

Wear suitable protective clothing.

**Respiratory protection**

Not required if used as intended.

**9. Physical and chemical properties**

**Information on basic physical and chemical properties**

Physical state:	solid	
Color:	colorless / white	
Odor:	characteristic	
Melting point/freezing point:		No data available
Boiling point or initial boiling point and boiling range:		No data available
Flammability:		No data available
Lower explosion limits:		No data available
Upper explosion limits:		No data available
Flash point:		No data available
Auto-ignition temperature:		No data available
Decomposition temperature:		No data available
pH-Value:		No data available
Viscosity / kinematic:		No data available
Water solubility:		Preparation soluble
Solubility in other solvents		
There are no data available on the mixture itself.		
Partition coefficient n-octanol/water:		No data available
Vapor pressure:		No data available
Density:		No data available
Relative vapour density:		No data available
Particle characteristics:		No data available

**Other information**

**Information with regard to physical hazard classes**

**Explosive properties**

There are no data available on the mixture itself.

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Self-ignition temperature

Solid:

No data available

Gas:

No data available

Oxidizing properties

There are no data available on the mixture itself.

**Other safety characteristics**

Evaporation rate:

No data available

Solid content:

No data available

**10. Stability and reactivity**

**Reactivity**

No hazardous reaction when handled and stored according to provisions.

**Chemical stability**

The product is stable under storage at normal ambient temperatures.

**Possibility of hazardous reactions**

Oxidizing agent, Humidity.

**Conditions to avoid**

Keep away from heat.

**Incompatible materials**

No information available.

**Hazardous decomposition products**

No known hazardous decomposition products.

**11. Toxicological information**

**Information on toxicological effects**

**Acute toxicity**

Based on available data, the classification criteria are not met.

**ATEmix calculated**

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

CAS No	Components					
	Exposure route	Dose	Species	Source	Method	
9045-22-1	Lithium heparin					
	oral	LD50 1950 mg/kg	Rat	ChemIDplus - Database		

**Irritation and corrosivity**

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

**Sensitizing effects**

May cause allergy or asthma symptoms or breathing difficulties if inhaled (Lithium heparin)

May cause an allergic skin reaction (Lithium heparin)

**Carcinogenic/mutagenic/toxic effects for reproduction**

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

**Specific target organ toxicity (STOT) - single exposure**

Based on available data, the classification criteria are not met.

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**Specific target organ toxicity (STOT) - repeated exposure**

Based on available data, the classification criteria are not met.

Carcinogenicity (OSHA): No ingredient of this mixture is listed.

Carcinogenicity (IARC): No ingredient of this mixture is listed.

Carcinogenicity (NTP): No ingredient of this mixture is listed.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**Additional information on tests**

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

**Information on other hazards**

**Endocrine disrupting properties**

No data available

**12. Ecological information**

**Ecotoxicity**

The additive carrier can cause mechanical side effects if swallowed by waterbirds or aquatic organisms.

**Persistence and degradability**

The product has not been tested.

**Bioaccumulative potential**

The product has not been tested.

**Mobility in soil**

The product has not been tested.

**Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meet the criteria.

The product has not been tested.

**Other adverse effects**

No information available.

**Further information**

Avoid release to the environment.

**13. Disposal considerations**

**Waste treatment methods**

**Disposal recommendations**

Dispose of waste according to applicable legislation.

**14. Transport information**

**U.S. DOT 49 CFR 172.101**

**Proper shipping name:**

No dangerous good in sense of this transport regulation.

**Marine transport (IMDG)**

**UN number or ID number:**

No dangerous good in sense of this transport regulation.

**UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

**Packing group:**

No dangerous good in sense of this transport regulation.

**Air transport (ICAO-TI/IATA-DGR)**

**UN number or ID number:**

No dangerous good in sense of this transport regulation.

**UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

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**Packing group:** No dangerous good in sense of this transport regulation.

**Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**Special precautions for user**

No information available.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

not applicable

**15. Regulatory information**

**U.S. Regulations**

**National regulatory information**

SARA Section 311/312 Hazards:

Lithium heparin (9045-22-1): Immediate (acute) health hazard

**State Regulations**

**Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)**

This product can not expose you to chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

**16. Other information**

**Changes**

Revision date: 04/04/2024

Revision No: 5

This data sheet contains changes from the previous version in section(s): 2,9.

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**Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service  
LC50: Lethal concentration, 50%  
LD50: Lethal dose, 50%  
CLP: Classification, labelling and Packaging  
REACH: Registration, Evaluation and Authorization of Chemicals  
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals  
UN: United Nations  
DNEL: Derived No Effect Level  
DMEL: Derived Minimal Effect Level  
PNEC: Predicted No Effect Concentration  
ATE: Acute toxicity estimate  
LL50: Lethal loading, 50%  
EL50: Effect loading, 50%  
EC50: Effective Concentration 50%  
ErC50: Effective Concentration 50%, growth rate  
NOEC: No Observed Effect Concentration  
BCF: Bio-concentration factor  
PBT: persistent, bioaccumulative, toxic  
vPvB: very persistent, very bioaccumulative  
RID: Regulations concerning the international carriage of dangerous goods by rail  
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)  
EmS: Emergency Schedules  
MFAG: Medical First Aid Guide  
ICAO: International Civil Aviation Organization  
MARPOL: International Convention for the Prevention of Marine Pollution from Ships  
IBC: Intermediate Bulk Container  
SVHC: Substance of Very High Concern  
For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>

**Other data**

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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*(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*