

Safety Data Sheet

Lymphoprep

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product form : Mixture
Product name : Lymphoprep
Product group : Products

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

Relevant identified uses

Main use category : Professional use
Use of the substance/mixture : Isolation of mononuclear cells from human blood using centrifugation techniques.

Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

Axis-Shield PoC AS (trading name of Alere Technologies AS)
Kjelsåsveien 161, P.O. Box 6863, Rodeløkka
NO-0504 Oslo - Norway
T +47 24 05 60 00 - F +47 24 05 60 10
pocweb@no.axis-shield.com - www.axis-shield-density-gradient-media.com

Manufacturer

Axis-Shield PoC AS (trading name of Alere Technologies AS)
Kjelsåsveien 161, P.O. Box 6863, Rodeløkka
NO-0504 Oslo - Norway
T +47 24 05 60 00 - F +47 24 05 60 10
pocweb@no.axis-shield.com - www.axis-shield-density-gradient-media.com

Contact person : Remy Hagnar (remy.hagnar@no.axis-shield.com)

1.4. Emergency telephone number

Emergency number : 112 # The UK National Poisons Emergency number: +44 870 600 6266 WEB:
<http://www.toxbase.org>

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Extra labelling to display

No labelling applicable

2.3. Other hazards

PBT: not relevant – no registration required

vPvB: not relevant – no registration required

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
sodiumdiatrizoate	(CAS No) 737-31-5 (EC no) 212-004-1 (REACH-no) N/A	8,6	Not classified
polysaccharide	(CAS No) 26873-85-8 (EC no) 200-334-9 (REACH-no) N/A	5,7	Not classified

Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Allow breathing of fresh air.
First-aid measures after skin contact	: Wash skin with soap and water. Get medical attention if any discomfort continues.
First-aid measures after eye contact	: Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.
First-aid measures after ingestion	: Rinse nose, mouth and throat with water. Get medical attention if any discomfort continues.

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

Symptoms/injuries : No specific symptoms noted.

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

No specific first aid measures noted.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Not flammable according to national regulations concerning flammable goods.
 Hazardous decomposition products in case of fire : Thermal decomposition generates: Carbon dioxide (CO₂). Carbon monoxide (CO).

5.3. Advice for firefighters

Firefighting instructions : No specific fire fighting procedure given.
 Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid contact with skin and eyes. Wear appropriate personal protective equipment - see Section 8.

For non-emergency personnel

Protective equipment : Wear protective clothing as described in Section 8 of this safety data sheet.
 Emergency procedures : No special precautions required.

For emergency responders

Protective equipment : Equip cleanup crew with proper protection.
 Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent discharge of larger quantity to drain.

6.3. Methods and material for containment and cleaning up

For containment : Collect all waste in suitable and labelled containers and dispose according to local legislation.
 Methods for cleaning up : Pick up mechanically or absorbed with inert material vermikulit, sand, dolomite, diatoms, etc.

6.4. Reference to other sections

See section 13 for waste handling.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Precautions for safe handling : Avoid spilling, skin and eye contact.
 Hygiene measures : Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a closed container. Protect from sunlight. Store in a well-ventilated place. Keep above the chemical's freezing point. Protect against frost.

Storage temperature : < 20 °C

7.3. Specific end use(s)

Consult the supplier for further information.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters**

No additional information available

8.2. Exposure controls

Appropriate engineering controls : Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

Personal protective equipment : In case of splash hazard: safety glasses.

Hand protection : For exposure of 1 to 4 hours use gloves made of: Nitril. Suitable gloves can be recommended by the glove supplier. STANDARD EN 374.

Eye protection : Chemical goggles or safety glasses. STANDARD EN 166.

Skin and body protection : Wear suitable protective clothing

Respiratory protection : Normally not required.



Other information : Do not eat, drink or smoke during use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

Physical state : Liquid

Colour : Colourless.

Odour : No characteristic odour.

Odour threshold : No data available

pH : 6,3 - 7,3

Relative evaporation rate (butylacetate=1) : No data available

Melting point : No data available

Freezing point : No data available

Boiling point : No data available

Flash point : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : Non flammable

Vapour pressure : No data available

Relative vapour density at 20 °C : No data available

Relative density : 1,077

Solubility : Soluble in water.

Log Pow : No data available

Viscosity, kinematic : No data available

Viscosity, dynamic : No data available

Explosive properties : No data available

Oxidising properties : No data available

Explosive limits : No data available

9.2. Other information

No additional information available

SECTION 10: STABILITY AND REACTIVITY**10.1. Reactivity**

No incompatible groups noted.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Will not polymerise.

10.4. Conditions to avoid

Heat. Direct sunlight. Freezing.

10.5. Incompatible materials

No information.

10.6. Hazardous decomposition products

Stable under normal temperature conditions and recommended use.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects**

Acute toxicity	: Ingestion of large quantities may cause discomfort.
Skin corrosion/irritation	: Not classified pH: 6,3 - 7,3
Serious eye damage/irritation	: Not classified pH: 6,3 - 7,3
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECTION 12: ECOLOGICAL INFORMATION**12.1. Toxicity**

Ecology - general : Not regarded as dangerous to the environment. This does not, however, rule out the possibility that large or frequent smaller emissions of the product may be harmful to the environment.

12.2. Persistence and degradability

Lymphoprep	
Persistence and degradability	No data available.

12.3. Bioaccumulative potential

Lymphoprep	
Bioaccumulative potential	Unknown.

12.4. Mobility in soil

Lymphoprep	
Ecology - soil	The product is water soluble and may spread in water systems.

12.5. Results of PBT and vPvB assessment

Lymphoprep	
PBT: not relevant – no registration required	
vPvB: not relevant – no registration required	

12.6. Other adverse effects

Other adverse effects : No information.
Additional information : Avoid release to the environment

SECTION 13: DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods**

Regional legislation (waste) : Product is not hazardous waste.
Waste treatment methods : Dispose of waste and residues in accordance with local authority requirements.
Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
European List of Waste (LoW) code : 18 01 07 - chemicals other than those mentioned in 18 01 06

SECTION 14: TRANSPORT INFORMATION

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable
 Proper Shipping Name (IMDG) : Not applicable
 Proper Shipping Name (IATA) : Not applicable
 Proper Shipping Name (ADN) : Not applicable
 Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)**ADR**

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable
 Packing group (IMDG) : Not applicable
 Packing group (IATA) : Not applicable
 Packing group (ADN) : Not applicable
 Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No
 Marine pollutant : No
 Other information : No supplementary information available

14.6. Special precautions for user

Special transport precautions : No particular precautions.

- Overland transport

No data available

- Transport by sea

No data available

- Air transport

No data available

- Inland waterway transport

Carriage prohibited (ADN) : No
 Not subject to ADN : No

- Rail transport

Carriage prohibited (RID) : No

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

IBC code : No IBC-code for bulk transport offshore (MARPOL).

SECTION 15: REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU-Regulations**

Contains no substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: OTHER INFORMATION

Data sources	:	EC-regulation 453/2010/EC, 1907/2006/EC (REACH), 1272/2008/EC (CLP), 790/2009/EC. Transport of dangerous goods (ADR/RID, IMDG, IATA/ICAO). Workplace exposure limits.
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	:	
Signature	:	Roy E. Lunde

The information in this safety data sheet is based on information from the manufacturer/supplier, present European and national legislation, and presupposes that the product is used within the specified area of application.