

# Safety Data Sheet

## Nycodenz

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

#### 1.1. Product identifier

Product form : Substance  
 Substance name : Nycodenz  
 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](mailto:pocweb@no.axis-shield.com) - [www.axis-shield-density-gradient-media.com](http://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  
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[pocweb@no.axis-shield.com](mailto:pocweb@no.axis-shield.com) - [www.axis-shield-density-gradient-media.com](http://www.axis-shield-density-gradient-media.com)

Contact person : Remy Hagnar ([remy.hagnar@no.axis-shield.com](mailto: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

EUH-statements : EUH210 - Safety data sheet available on request

#### 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

Name : Nycodenz

Name	Product identifier	%
Iohexol	(CAS No) 66108-95-0 (EC no) 266-164-2 (REACH-no) 01-2119941692-34	100

Name	Product identifier	%
dust, respirable		

Full text of H-phrases: see section 16

### 3.2. Mixture

Not applicable

## 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. Do not rub eye. 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 (CO<sub>2</sub>). 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. If a closed system is not available, process ventilation (f.ex. exhaust vacuum) must be used for handling that could generate dust, smoke, vapors or mist.  
 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. Store in original container according to temperature stated on container and in package inser. Protect from sunlight.

**7.3. Specific end use(s)**

Consult the supplier for further information.

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

dust, respirable		
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	4 mg/m <sup>3</sup>

**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 : Dust production: dust mask with filter type P2. In case of dust production: protective goggles.

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 : Solid

Appearance : Powder.

Colour : Off-white.

Odour : No characteristic odour.

Odour threshold : No data available

pH : 5 - 7

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 : > 400 °C

Decomposition temperature : 177 - 187 °C

Flammability (solid, gas) : Non flammable

Vapour pressure : No data available

Relative vapour density at 20 °C : No data available

Relative density : 2,1 at 20 °C

Solubility : Miscible with water.

Log Pow : -0,5 (OECD 107 method)

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.

**10.5. Incompatible materials**

No contact with: strong acids, strong bases and strong oxidants.

**10.6. Hazardous decomposition products**

Stable under normal temperature conditions and recommended use. Avoid temperatures > 245 °C.

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

Acute toxicity : Ingestion of large quantities may cause discomfort.

**Iohexol (66108-95-0)**

LD50 oral rat	> 11000 mg/kg
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Skin corrosion/irritation : May cause a mild irritation, mainly by mechanical character.  
pH: 5 - 7

Serious eye damage/irritation : May cause a mild irritation, mainly by mechanical character.  
pH: 5 - 7

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Dust may irritate respiratory system or lungs.

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****Nycodenz**

Persistence and degradability	No data available.
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**12.3. Bioaccumulative potential****Nycodenz**

Log Pow	-0,5 (OECD 107 method)
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Bioaccumulative potential	Unknown.
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**12.4. Mobility in soil****Nycodenz**

Ecology - soil	The product is water soluble and may spread in water systems.
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**12.5. Results of PBT and vPvB assessment****Nycodenz**

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

No REACH Annex XVII restrictions

Nycodenz is not on the REACH Candidate List

Contains no substance on the REACH candidate list

Nycodenz is not on the REACH Annex XIV 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

Full text of H- and EUH-statements:

EUH210

Safety data sheet available on request

*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.*