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## Section 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Substance name /Trade name: SID-000128 Nucleosome ctDNA (human, BDXXP4)  
Index No.: Not available  
EC-No.: Not available  
CAS-No.: Not available  
REACH No.: There is no registration.  
Other names: Not available

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

Relevant identified uses:

Use as laboratory reagent - for scientific research and development

Uses advised against:

Not for consumer use.

### 1.3 Details of the supplier of the safety data sheet

Manufacturer /Supplier: SensID GmbH  
Street/Street number: Schillingallee 68  
Country-code/Postcode/City: D-18057 Rostock

Point of contact for technical support

Telephone +49(0)381 377 182 01  
Fax +49(0)381 377 182 00  
E-Mail: support@sens-id.com

### 1.4 Emergency phone number

SensID GmbH +49(0)381 377 182 01  
(Availability: on weekdays 8-16 o'clock)

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## Section 2: Hazard identification

### 2.1 Classification

Classification according to Regulation (EC) No 1272/2008

The package contains Nucleosome ctDNA of cell line BDXXP4. No dangerous substance or dangerous mixture.

No hazardous ingredient is present in an amount that requires labelling.

### 2.2 Label elements

Not required

Label elements according to (EC) No. 1272/2008

The product does not need to be labelled in accordance with EC directives or respective national laws.

Hazard-determining components for labelling contains:

Hazard statements: Not required  
Precautionary statements: Not required  
Other labelling elements  
EU notes on specific hazards: Not required

### 2.3 Other dangers

Physical hazards  
Harmless

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**Specific effects**

No carcinogenic effects  
No genetic alteration  
No reproductive toxicity  
No sensitization

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**Section 3: Composition/Information on ingredients****3.1 Substances**

< 1% TE Puffer

Impurities, stabilizing additives and single components: not applicable

**3.2 Mixtures**

There are no additional ingredients that are reportable or classified as hazardous to health or environment according to the current state of knowledge of the supplier in the applicable concentration.

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**Section 4: First aid measures****4.1 Description of the first aid measures**

Following inhalation	Move to fresh air. In case of respiratory arrest give artificial respiration with additional oxygen.
Following skin contact	The product does not irritate skin. Wash off with plenty of water. remove contaminated clothing as a precaution.
Following eye contact	Rinse out with plenty of water with the eyelids held wide open. Arrange medical treatment.
Following ingestion	Wash mouth out with water. Never give water to an unconscious person. Do not induce vomiting without medical advice.

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

The main known symptoms and effects are described on the label (see section 2.2) and / or in chapter 11.

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

No data available.

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**Section 5: Firefighting measures****5.1 Extinguishing media**

Suitable:	Extinguishing media: water spray, Carbon dioxide (CO <sub>2</sub> ), foam, dry chemicals
Unsuitable:	Extinguishing media: not available

**5.2 Special hazards arising from the substance or mixture**

Hazardous combustion products: No further known.

**5.3 Advice for fire fighters**

Wear self-contained breathing apparatus and protective clothing.

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## Section 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions

Ensure adequate ventilation. Avoid contact with skin, eyes and clothing.

Personal protective equipment

Use personal protective equipment.

### 6.2 Environmental precautions

Avoid further leakage or spillage if safe to do so. Do not discharge into drains or rivers.

### 6.3 Methods and material for containment and cleaning up

For containment

Prevent further leakage or spillage if safe to do so.

For cleaning up

Soak up with inert absorbent material

### 6.4 Reference to other sections

See section 12 for additional information.

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## Section 7: Handling and storage

### 7.1 Precautions for safe handling

Avoid contact with skin, eyes and clothes. Wear personal protective equipment.

### 7.2 Conditions for safe storage, including any incompatibilities

Information on storage conditions

General good laboratory practice should be maintained. Store in properly labelled containers. Keep container tightly closed until ready for immediate use. Do not store in unmarked containers. Take care to keep workplace clean and dry.

Avoid general contact by handling, wear gloves and lab coat.

Store the package with the lids tightly closed at 2-8°C preferably in the dark.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.

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## Section 8: Exposure controls/personal protection

### 8.1 Control parameters

Occupational exposure limits / or biological values

No known values.

Exposure controls

Suitable technical control equipment

Provide adequate ventilation, especially in confined areas.

### 8.2 Personal protective equipment

Eye / face protection:

Wear safety glasses with side shields.

Skin / body protection:

Wear suitable protective clothing and gloves.

Other body protection:

No action needed.

Respiratory protection:

No action needed.

Heat / Cold protection:

No action needed

Environmental exposure controls

See Section 12.

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## Section 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Appearance:	Colourless liquid
Odour:	Odorless
Odour threshold:	No information available
pH-value:	No information available
Melting point/Freezing point:	Mixture has not been tested
Boiling point / boiling range:	Mixture has not been tested
Flash point:	Mixture has not been tested
Evaporation rate:	No information available
Flammability (solid, gas):	No information available
Upper/Lower flammability or explosive limits:	No information available
Vapor pressure:	No information available
Vapor density:	No information available
Relative Density:	No information available
Solubility:	No information available
Partition: n-octanol/water:	No information available
Decomposition temperature:	No information available
Auto-ignition temperature:	No information available
Viscosity:	No information available
Explosive properties:	Mixture has not been tested
Oxidising properties:	Mixture has not been tested

### 9.2 Other information

No data available.

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## Section 10: Stability and Reactivity

### 10.1 Reactivity:

Not known under normal environmental conditions.

### 10.2 Chemical stability:

Stable under normal conditions and under the temperature and pressure conditions expected during storage and handling.

### 10.3 Possibility of hazardous reactions:

No information available.

### 10.4 Conditions to avoid:

No information available.

### 10.5 Incompatible materials:

No information available.

### 10.6 Hazardous decomposition products:

None in normal processing.

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## Section 11: Toxicological information

### 11.1 Information on toxicological effects

Acute Toxicity:	No information available.
Skin corrosion / irritation:	No information available.
Eye damage / irritation:	Is not classified as seriously damaging to the eyes or irritating to the eyes.
Sensitisation to the respiratory tract/skin:	Is not classified as an inhalation or skin allergen.
Germ cell mutagenicity:	Not classified as germ cell mutagen.
Carcinogenicity:	Not classified as a carcinogen.
Reproductive toxicity:	Not classified as toxic to reproduction.
STOT – single exposure:	Is not classified as specific target organ toxicant (single exposure).
STOT – repeated exposure:	Is not classified as specific target organ toxicant (repeated exposure).
Aspiration hazard:	Is not classified as aspiration hazard.

### 11.2 Symptoms related to the physical, chemical and toxicological characteristics

In case of ingestion:	No information available.
In case of eye contact:	No information available.
In case of inhalation:	No information available.
In case of skin contact:	No information available.
Further information:	No information available.

### 11.3 Information on toxicokinetic, metabolism and distribution:

No information available.

## Section 12: Ecological information

12.1 Ecotoxicity	No information available. The fabric is easily biodegradable.
12.2 Persistence and degradability:	No information available
12.3 Bioaccumulative potential:	No information available
12.4 Mobility in soil:	No information available.
12.5 Results of PBT- and vPvB-assessment:	No information available.
12.6 Other adverse effects:	No information available. The fabric is easily biodegradable.

## Section 13: Disposal considerations

### 13.1 Waste treatment methods

No special procedures known. If necessary, clarify with the local disposal companies whether the product used is classified as dangerous.

### 13.2 Treatment of contaminated packaging

Disposal according to official regulations.

### 13.3 Waste code according to Waste Catalogue Ordinance (AVV)

Unavailable.

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**13.4 Special precautions**

No special actions required.

**13.5 relevant EU or other provisions**

Not required.

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**Section 14: Transport information**

Transport information is omitted as no special conditions apply.

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**Section 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

There is no listing in the relevant provisions of the European Union (EU).

**Relevant regulations:**

Water hazard class (Germany) none

**15.2 Chemical safety assessment**

Not available.

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**Section 16: Other information**

The information in this SDS is provided in good faith based on our knowledge, but they do not constitute an assurance of product properties and do not establish a contractual relationship. The information contained in this SDS should not be considered as exhaustive and only serve as a guide. All materials and mixtures can harbour unknown hazard and should be used with care. Since conditions of use of the product are not under the control of SensID GmbH, it is the duty of the buyer/user to determine the necessary conditions for the safe use of the product. SensID GmbH will not be liable for any damages resulting from handling or contact with the product.

**16.1 Changes compared to the last version:**

Not applicable.

**16.2 Important literature and data sources:**

Regulation (EC) No 1907/2006 (REACH), as amended by 2015/830 / EU  
Regulation (EC) No 1272/2008 (CLP, EU-GHS)

**16.3 Abbreviations**

CAS	Chemical Abstracts Service ((database of chemical compounds and their unique key, the CAS Registry Number)
CLP	Classification, Labelling and Packaging of substances and mixtures
EC	European Community
EC-No.	EC-No. The EC Inventory (EINECS, ELINCS and the NLP directory) is the source of the seven-digit EC number as a substance index in the European Union
Index-No.	The index number is the identification code specified in Part 3 of Annex VI to Regulation (EC) No 1272/2008
PBT	Persistent, Bioaccumulative and Toxic
REACH	Regulation (EC) No 1907/2006 (REACH Regulation) Registration, Evaluation, Authorization and Restriction of Chemicals
vPvB	very Persistent and very Bioaccumulative
STOT	Specific target organ toxicant

**End of safety data sheet.**