SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

GFP-Trap Dynabeads

CAS No.:
EC No.:
INDEX No.:
REACH No.:

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

Relevant identified uses: Laboratory use
Uses advised against: Other

1.3. Details of the supplier of the safety data sheet

Manufacturer
ChromoTek GmbH

Am Klopferspitz 19
D 82152 Planegg-Martinsried

Telephone: +49 89 124 148 80
Telefax: +49 89 124 148 811

Supplier (manufacturer/importer/only representative/downstream user/distributor)
ChromoTek GmbH

Am Klopferspitz 19
D 82152 Planegg-Martinsried

Telephone: +49 89 124 148 80
Telefax: +49 89 124 148 811

Information contact
ChromoTek GmbH

Information telephone: +49 89 124 148 80
Information telefax: +49 89 124 148 811
E-mail (competent person): info@chromotek.com
Website: http://www.chromotek.com/

Dept. responsible for information:
ChromoTek GmbH

1.4. Emergency telephone number

Giftnotrufzentrale München **Telephone:** +49 89 19 240

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008: -

2.2. Label elements

Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hazard pictograms: -

-

Signal word: -
Hazard statements: -
Precautionary statements: -

Labeling
Hazardous component(s) for labelling
-

Special labelling of particular preparations
Safety data sheet available for professional user on request.

2.3. Other hazards
No risks worthy of mention. Please observe the information on the safety data sheet at all times.

SECTION 3: Composition / information on ingredients

3.1. Substances
not applicable

3.2. Mixtures
GFP-Trap Dynabeads is a mixture.

Composition/information on ingredients

Substance:	EC-no.:	CAS-No.:	INDEX no.:	REACH-no.:	Concentration:	Classification: EC 1272/2008(CLP):
Sodium azide	247-852-1	26628-22-8	011-004-00-7	01-2119457019-37-0000	< 0,1 % (v/v)	Acute Tox. 2; H300 Acute Tox. 2; H310 STOT RE 2; H373 Aqu. Acute 1; H400 Aqu. Chron. 1; H410 -; EUH032

(Full text of H- and EUH-phrases: see section 16.)

Additional information
none

SECTION 4: First aid measures

4.1. Description of first aid measures
General information: In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
Following inhalation: No special measures are necessary. Seek medical attention if problems persist.
Following skin contact: After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician.
After eye contact: In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Seek medical attention if problems persist.
After ingestion: Rinse mouth immediately and drink plenty of water. Seek medical attention if problems persist.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms: No known symptoms to date.

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

Notes for the doctor: No special measures are necessary.
Special treatment: No special measures are necessary.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Water fog. alcohol resistant foam. dry extinguishing powder. Carbon dioxide (CO2).
Unsuitable extinguishing media: High power water jet.

5.2. Special hazards arising from the substance or mixture

Pyrolysis products, toxic. Carbon dioxide. Carbon monoxide.

5.3. Advice for firefighters

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

Special protective equipment for firefighters:
In case of fire: Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment. Remove persons to safety. Provide adequate ventilation.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up

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. Avoid generation of dust. Clear contaminated areas thoroughly. Wash with plenty of water.

6.4. Reference to other sections

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advices on safe handling
Avoid contact with skin and eyes.

Precautions against fire and explosion
Usual measures for fire prevention.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels
Keep container tightly closed in a cool, well-ventilated place.

Hints on joint storage
Keep away from food, drink and animal feedingstuffs.

Storage class: 10-13

7.3. Specific end use(s)

Observe instructions for use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

occupational exposure limit value

Substance:	CAS-No.:	Source:	Occupational exposure limit value:	Limitation of exposure peaks:	Remark:

Substance with a common (EC) occupational exposure limit value

Substance:	CAS-No.:	Source:	Occupational exposure limit value:	Limitation of exposure peaks:	Remark:

DNEL-/PNEC-values
DNEL value

Substance:	CAS-No.:	DNEL/DMEL	Industry	Professional	consumer

PNEC Value

Substance:	CAS-No.:	PNEC	Worker, industry	Worker, professional	consumer

Risk management measures according to used control banding approach
none

Additional information
none

8.2. Exposure controls

Occupational exposure controls
Technical measures and the application of suitable work processes have priority over personal protection equipment.

General protection and hygiene measures
When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Apply skin care products after work. Wash contaminated clothing prior to re-use.

Personal protection equipment
Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

Respiratory protection
Respiratory protection not required.

Hand protection
Tested protective gloves are to be worn: DIN-/EN-Norms: DIN EN 374

Eye/face protection
Tightly sealed safety glasses.

Body protection
For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes). Only wear fitting, comfortable and clean protective clothing. Barrier creams are not substitutes for body protection.

Environmental exposure controls
refer to chapter 7. No further action is necessary.

Consumer exposure controls
refer to chapter 7. No further action is necessary.

Exposure Scenario
none

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state:	liquid
Colour:	No data available
Odour:	No data available
Odour threshold:	No data available

Safety relevant basis data

	parameter	unit	remark
Density:			No data available
Bulk density:			No data available
pH:	7,5		
Melting point/freezing point:			No data available
Initial boiling point and boiling range:			No data available
Flash point:			No data available
Flammability (solid, gas):			No data available
Explosivity:			No data available
Lower explosion limit:			No data available
Upper explosion limit:			No data available
Ignition temperature:			No data available
Decomposition temperature:			No data available
Oxidizing potential:			Combustible.
Vapour pressure:			not applicable
Vapour density:			not applicable
Evaporation rate:			not applicable
Water solubility:			soluble
Fat solubility:			No data available
Soluble in:	:		No data available
Partition coefficient: n-octanol/water:			No data available
Viscosity:			not applicable
Solvent separation test:			not applicable
Solvent content:			not applicable

9.2. Other information

There are no data available on the mixture itself.

SECTION 10: Stability and reactivity

10.1. Reactivity
none

10.2. Chemical stability
The substance is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions
No data available

10.4. Conditions to avoid
heat. UV-radiation/sunlight.

10.5. Incompatible materials
Oxidizing agents. Reducing agent. Acid. Alkalis (alkalis).

10.6. Hazardous decomposition products
Pyrolysis products, toxic. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
There are no data available on the mixture itself.

Acute toxicity

Substance:	CAS-No.:	Toxicological information
Sodium azide	26628-22-8	Acute toxicity, oral LD50: 27 mg/kg (Rat) Acute toxicity, dermal LD50: 20 mg/kg (Rabbit)

Irritation and etching
Irritant effect on the skin
slightly irritant but not relevant for classification.
Irritant effect on the eye
slightly irritant but not relevant for classification.

Sensitization
not sensitising.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
Carcinogenicity
No indications of human carcinogenicity exist.
Germ cell mutagenicity
No indications of human germ cell mutagenicity exist.
Reproductive toxicity
No indications of human reproductive toxicity exist.

STOT-single exposure
No information available.

STOT-repeated exposure
none

Aspiration hazard
Not an irritant.

SECTION 12: Ecological information

12.1. Toxicity
There are no data available on the mixture itself.

Ecotoxicity

Substance:	CAS-No.:	Ecotoxicity
Sodium azide	26628-22-8	Acute fish toxicity LC50: 2,8 mg/l/96 h Acute algae toxicity EC50: 0,48 mg/l/96 h

12.2. Persistence and degradability
Product is biodegradable.

12.3. Bioaccumulative potential
No indication of bioaccumulation potential.

12.4. Mobility in soil
No information available.

12.5. Results of PBT and vPvB assessment
This substance does not meet the criteria for classification as PBT or vPvB.

12.6. Other adverse effects
No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Appropriate disposal/Product
Waste disposal according to EC Directives 75/442/EEC and 91/689/EEC on waste and hazardous waste in their latest versions. May be disposed of in household waste landfill.

Appropriate disposal / Package
Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

List of proposed waste codes/waste designations in accordance with EWC
According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.
Waste code product: 18 02 05 - chemicals consisting of or containing dangerous substances
Waste code packaging: 15 01 10 - packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information

14.1. UN number
UN No.: -

14.2. UN proper shipping name
ADR / RID
-

IMDG / ICAO-TI / IATA-DGR
-

14.3. Transport hazard class(es)
Hazard label(s): - **Classification code:** -

14.4. Packing group
Packing group: -

14.5. Environmental hazards
Environmental hazards: none

14.6. Special precautions for user
Land transport (ADR/RID)
Transport category: - **Tunnel restriction code:** -
Special provisions: - **Limited quantity (LQ):** --

Sea transport (IMDG)
EmS-No: -
Special provisions: - **Limited quantity (LQ):** --

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Remark: none

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
EU legislation

Information according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline).
none

Regulation (EC) No 2037/2000 concerning materials, which cause damage to the ozone layer.
none

Regulation (EC) No. 648/2004 (Detergents regulation)
none

National regulations
Observe in addition any national regulations!

Restrictions of occupation

none

Storage class
10-13

Water hazard class (WGK)
0 not a water pollutant

Other regulations, restrictions and prohibition regulations
none

15.2. Chemical Safety Assessment

For this preparation a chemical safety assessment has been carried out:
Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Relevant H- and EUH-phrases (Number and full text)
Hazard statements

EUH032	Contact with acids liberates very toxic gas.
H300	Fatal if swallowed.
H310	Fatal in contact with skin.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Training advice
none

Recommended restrictions of use
refer to chapter 1.

Further remarks
The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Documentation of changes
none

Key literature references and sources for data
Data arise from reference works and literature.

Abbreviations and acronyms
none