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SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended.

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

1.1 Product identifier

Product No.:	Product name:	Common name(s), synonym(s)
661629	BD® FC Beads BV711	No data available

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

Identified uses: Scientific and industrial laboratory use. For research use only.

Uses advised against: Not for use in diagnostic or therapeutic procedures.

1.3 Details of the supplier of the safety data sheet

Manufacturer

Becton Dickinson France S.A.S. Belgian
Branch
Erembodegem-Dorp 86
Erembodegem 9320
Belgium

Telephone: 32 2 400 98 95

Fax: 32 2 401 70 94

Contact Person: BD Biosciences - Centralized European Office
Regulatory Compliance Department

E-mail: help.biosciences@europe.bd.com

1.4 Emergency telephone number: 32 2 400 98 95

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product has been classified according to the legislation in force.

Classification according to Regulation (EC) No 1272/2008 as amended.

Health Hazards

Skin sensitizer

Category 1

H317: May cause an allergic skin reaction.

Environmental Hazards

Chronic hazards to the
aquatic environment

Category 3

H412: Harmful to aquatic life with long
lasting effects.

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2.2 Label Elements

Contains: 2-Methyl-4-isothiazolin-3-one



Signal Word: Warning

Hazard Statement(s): H317: May cause an allergic skin reaction.
H412: Harmful to aquatic life with long lasting effects.

Precautionary Statements

Prevention: P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
P272: Contaminated work clothing should not be allowed out of the workplace.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P273: Avoid release to the environment.

Response: P302+P352: IF ON SKIN: Wash with plenty of water/...
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P321: Specific treatment (see on this label).
P362+P364: Take off contaminated clothing and wash it before reuse.

Disposal: P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

2.3 Other hazards No data available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes



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2-methylisothiazol-3(2H)-one	0.25 - <1%	2682-20-4	220-239-6	No data available.	10	
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* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

This substance has workplace exposure limit(s).

Classification

Chemical name	CLP Classification	Notes
2-methylisothiazol-3(2H)-one	STOT RE: 3: H335Acute Tox.: 3: H311Skin Corr.: 1B: H314Skin Sens.: 1A: H317Eye Dam.: 1: H318Acute Tox.: 2: H330Acute Tox.: 3: H301Aquatic Chronic: 1: H410Aquatic Acute: 1: H400	No data available.

Regulation No. 1272/2008.

The full text for all H-statements is displayed in section 16.

SECTION 4: First aid measures

General: Get medical attention if symptoms occur.

4.1 Description of first aid measures

Inhalation: Provide fresh air, warmth and rest, preferably in comfortable upright sitting position. Get medical attention if symptoms persist.

Eye contact: Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention promptly if symptoms occur after washing.

Skin Contact: Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Get medical attention if symptoms occur. Wash contaminated clothing before reuse.

Ingestion: If swallowed, rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. Get medical attention immediately.



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

Symptoms may be delayed.

4.3 Indication of any immediate medical attention and special treatment needed

Hazards: May cause an allergic skin reaction.

Treatment: Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water.

SECTION 5: Firefighting measures

General Fire Hazards: Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Use water to keep fire exposed containers cool and disperse vapors.

**5.1 Extinguishing media
Suitable extinguishing media:**

Water spray, fog, CO₂, dry chemical, or alcohol resistant foam.

**Unsuitable
extinguishing media:**

Avoid water in straight hose stream; will scatter and spread fire.

5.2 Special hazards arising from the substance or mixture:

Fire or excessive heat may produce hazardous decomposition products.

**5.3 Advice for firefighters
Special fire fighting procedures:**

No unusual fire or explosion hazards noted.

Special protective equipment for fire-fighters:

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area. Contact local authorities in case of spillage to drain/aquatic environment.



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**6.2 Environmental
Precautions:**

Avoid release to the environment.

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

Stop leak if possible without any risk. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Collect for salvage or disposal. Prevent runoff from entering drains, sewers, or streams. Report spills as required to appropriate authorities. See Section 8 of the SDS for Personal Protective Equipment. For waste disposal, see section 13 of the SDS.

**6.4 Reference to other
sections:**

No data available.

SECTION 7: Handling and storage:

**7.1 Precautions for safe
handling:**

Wash promptly with soap and water if skin becomes contaminated. When using do not eat, drink or smoke. Read and follow manufacturer's recommendations. Use personal protective equipment as required.

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

Store in tightly closed original container in a dry, cool and well-ventilated place. Product performance to shelf life is dependent upon long term storage at 2-8°C

7.3 Specific end use(s):

Reserved for industrial and professional use. Read label before use.

SECTION 8: Exposure controls/personal protection

**8.1 Control Parameters
Occupational Exposure Limits**

None of the components have assigned exposure limits.

Biological Limit Values

None.

8.2 Exposure controls

**Appropriate
Engineering Controls:**

Adequate ventilation should be provided whenever the material is heated or mists are generated.

Individual protection measures, such as personal protective equipment

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General information:	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin protection	
Hand Protection:	Use suitable protective gloves if risk of skin contact.
Other:	Wear appropriate clothing to prevent repeated or prolonged skin contact.
Respiratory Protection:	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.
Hygiene measures:	Do not eat, drink or smoke when using the product. Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet. Avoid contact with skin.
Environmental Controls:	Data available upon request.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state:	solid
Form:	No data available.
Color:	Almost colorless to bluish green
Odor:	Odorless
Odor Threshold:	No data available.
pH:	6.4 - 6.6
Melting Point:	No data available.
Boiling Point:	No data available.
Flash Point:	No data available.
Evaporation Rate:	No data available.
Flammability (solid, gas):	No data available.
Flammability Limit - Upper (%):	No data available.

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Flammability Limit - Lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density (air=1):	No data available.
Relative density:	No data available.
Solubility(ies)	
Solubility in Water:	No data available.
Solubility (other):	Insoluble
Partition coefficient (n-octanol/water):	No data available.
Autoignition Temperature:	No data available.
Decomposition Temperature:	No data available.
SADT:	No data available.
Viscosity:	No data available.
Explosive properties:	No data available.
Oxidizing properties:	No data available.

9.2 Other information

Molecular weight:	No data available.
VOC Content:	No data available.
Bulk density:	No data available.
Dust Explosion Limit, Upper:	No data available.
Dust Explosion Limit, Lower:	No data available.
Dust Explosion Description	No data available.
Number Kst:	
Minimum ignition energy:	No data available.
Minimum ignition temperature:	No data available.
Metal Corrosion:	No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity:	No data available.
10.2 Chemical Stability:	No data available.
10.3 Possibility of hazardous reactions:	None under normal conditions.
10.4 Conditions to avoid:	Avoid exposure to high temperatures or direct sunlight.
10.5 Incompatible Materials:	Strong oxidizing agents.



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10.6 Hazardous Decomposition Products:

By heating and fire, harmful vapors/gases may be formed.

SECTION 11: Toxicological information

General information: May cause allergic skin reaction based on human experience.

Information on likely routes of exposure

Inhalation: Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

Ingestion: Ingestion may cause irritation and malaise.

Skin Contact: Prolonged or repeated contact may cause skin sensitization in susceptible individuals.

Eye contact: Avoid contact with eyes.

11.1 Information on toxicological effects

Acute toxicity

Oral

Product: ATEmix: 12,313.75 mg/kg

Specified substance(s)

2-methylisothiazol-
3(2H)-one No data available.

Dermal

Product: ATEmix: 36,941.26 mg/kg

Specified substance(s)

2-methylisothiazol-
3(2H)-one No data available.

Inhalation

Product: Not classified for acute toxicity based on available data.

Specified substance(s)

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2-methylisothiazol-3(2H)-one No data available.

Repeated dose toxicity

Product: No data available.

Specified substance(s)

2-methylisothiazol-3(2H)-one No data available.

Skin

Corrosion/Irritation:

Product: No data available.

Specified substance(s)

2-methylisothiazol-3(2H)-one No data available.

Serious Eye Damage/Eye

Irritation:

Product: No data available.

Specified substance(s)

2-methylisothiazol-3(2H)-one No data available.

Respiratory or Skin

Sensitization:

Product: No data available.

Specified substance(s)

2-methylisothiazol-3(2H)-one No data available.

Germ Cell Mutagenicity

In vitro

Product: No data available.

Specified substance(s)

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2-methylisothiazol-3(2H)-one No data available.

In vivo

Product: No data available.

Specified substance(s)

2-methylisothiazol-3(2H)-one No data available.

Carcinogenicity

Product: No data available.

Specified substance(s)

2-methylisothiazol-3(2H)-one No data available.

Reproductive toxicity

Product: No data available.

Specified substance(s)

2-methylisothiazol-3(2H)-one No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specified substance(s)

2-methylisothiazol-3(2H)-one No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Specified substance(s)

2-methylisothiazol-3(2H)-one No data available.

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Target Organs:

2-methylisothiazol-3(2H)-one Lungs

Aspiration Hazard

Product: No data available.

Specified substance(s)

2-methylisothiazol-3(2H)-one No data available.

SECTION 12: Ecological information

12.1 Toxicity

Acute toxicity

Fish

Product: No data available.

Specified substance(s)

2-methylisothiazol-3(2H)-one No data available.

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

2-methylisothiazol-3(2H)-one No data available.

Chronic Toxicity

Fish

Product: No data available.

Specified substance(s)

2-methylisothiazol-3(2H)-one No data available.

Aquatic Invertebrates

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Product: No data available.

Specified substance(s)

2-methylisothiazol- No data available.
3(2H)-one

Toxicity to Aquatic Plants

Product: No data available.

Specified substance(s)

2-methylisothiazol- No data available.
3(2H)-one

12.2 Persistence and Degradability

Biodegradation

Product: No data available.

Specified substance(s)

2-methylisothiazol- No data available.
3(2H)-one

BOD/COD Ratio

Product No data available.

Specified substance(s)

2-methylisothiazol- No data available.
3(2H)-one

12.3 Bioaccumulative potential

Product: No data available.

Specified substance(s)

2-methylisothiazol- No data available.
3(2H)-one

12.4 Mobility in soil:

Product: No data available.

Specified substance(s)

2-methylisothiazol- No data available.
3(2H)-one

12.5 Results of PBT and vPvB assessment:

Product: No data available.

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Specified substance(s)

2-methylisothiazol-3(2H)-one No data available.

12.6 Other adverse effects: No data available.

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

General information: Dispose of waste and residues in accordance with local authority requirements.

Disposal methods: Discharge, treatment, or disposal may be subject to national, state, or local laws.

Since emptied containers retain product residue, follow label warnings even after container is emptied.

SECTION 14: Transport information**ADR**

14.1 UN Number: Not regulated.
14.2 UN Proper Shipping Name: Not regulated.
14.3 Transport Hazard Class(es)
Class: Not regulated.
Label(s): Not regulated.
Hazard No. (ADR): Not regulated.
Tunnel restriction code: Not regulated.
14.4 Packing Group: Not regulated.
14.5 Environmental Hazards: Not regulated.
Marine Pollutant: Not regulated.
14.6 Special precautions for user: Not regulated.

ADN

14.1 UN Number: Not regulated.
14.2 UN Proper Shipping Name: Not regulated.
14.3 Transport Hazard Class(es)
Class: Not regulated.
Label(s): Not regulated.
Hazard No. (ADR): Not regulated.



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Tunnel restriction code:	Not regulated.
14.4 Packing Group:	Not regulated.
14.5 Environmental Hazards:	Not regulated.
Marine Pollutant:	Not regulated.
14.6 Special precautions for user:	Not regulated.

RID

14.1 UN Number:	Not regulated.
14.2 UN Proper Shipping Name	Not regulated.
14.3 Transport Hazard Class(es)	
Class:	Not regulated.
Label(s):	Not regulated.
14.4 Packing Group:	Not regulated.
14.5 Environmental Hazards:	Not regulated.
Marine Pollutant:	Not regulated.
14.6 Special precautions for user:	Not regulated.

IMDG

14.1 UN Number:	Not regulated.
14.2 UN Proper Shipping Name:	Not regulated.
14.3 Transport Hazard Class(es)	
Class:	Not regulated.
Label(s):	Not regulated.
EmS No.:	Not regulated.
14.4 Packing Group:	Not regulated.
14.5 Environmental Hazards:	Not regulated.
Marine Pollutant:	Not regulated.
14.6 Special precautions for user:	Not regulated.

IATA

14.1 UN Number:	Not regulated.
14.2 Proper Shipping Name:	Not regulated.

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14.3 Transport Hazard Class(es):
Class: Not regulated.
Label(s): Not regulated.
14.4 Packing Group: Not regulated.
14.5 Environmental Hazards: Not regulated.
Marine Pollutant: Not regulated.
14.6 Special precautions for user: Not regulated.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code: Not applicable

SECTION 15: Regulatory information

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

EU Regulations

Regulation (EC) No. 2037/2000 Substances that deplete the ozone layer: none

Regulation (EC) No. 850/2004 on persistent organic pollutants: none

Regulation (EC) No. 649/2012 Import and export of dangerous chemicals: none

EU. REACH Candidate List of Substances of Very High Concern for Authorization (SVHC): none

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended: none

Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use: none

Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens and mutagens at work.: none

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breast feeding.: none

Directive 96/82/EC (Seveso III): on the control of major accident hazards involving

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dangerous substances:

Chemical name	CAS-No.	Concentration
sodium azide	26628-22-8	0 - <0.1%

EU. Regulation No. 166/2006 PRTR (Pollutant Release and Transfer Registry), Annex II: Pollutants: none

Directive 98/24/EC on the protection of workers from the risks related to chemical agents at work:

Chemical name	CAS-No.	Concentration
2-methylisothiazol-3(2H)-one	2682-20-4	0.1 - 1.0%
sodium azide	26628-22-8	0 - <0.1%

**15.2 Chemical safety
assessment:**

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

Revision Information: Not relevant.

References

PBT PBT: persistent, bioaccumulative and toxic substance.
vPvB vPvB: very persistent and very bioaccumulative substance.

**Key literature references
and sources for data:** No data available.

Wording of the H-statements in section 2 and 3

H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Training information: No data available.

Classification according to Regulation (EC) No 1272/2008 as amended.



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Skin Sens. 1, H317
Aquatic Chronic 3, H412

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