



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

1.1. Product identifier

Name of product US IVD BTS
Art. No. 8604530

1.2. Relevant identified uses of the substance or mixture and uses advised against Recommended intended purpose(s)

Laboratory chemical

1.3. Details of the supplier of the safety data sheet

Manufacturer/distributor Bruker Daltonik GmbH
Fahrenheitstr. 4, D-28359 Bremen
Phone +49(421)2205-0, Fax +49(421)2205-100
E-Mail care@bruker.com
Internet www.bruker.com

Advice Bruker Daltonik GmbH
Phone +49(421)2205-0
E-mail (competent person):
care@bruker.com

1.4. Emergency telephone number Emergency CONTACT (24-Hour-Number):
Emergency advice GBK GmbH +49 (0)6132-84463

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Additional hints

This mixture is not classified as hazardous according to Regulation (EC) 1272/2008 [GHS].

2.2. Label elements

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

Additional information

Remark

NOTE: This mixture contains not yet fully tested (natural) substances.

2.3. Other hazards

Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.



SECTION 3: Composition/ information on ingredients

3.1. Substances

not applicable

3.2. Mixtures

Description

Protein mixture, lyophilized

Additional advice

The mixture does not contain hazardous materials to be mentioned here.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove moisted clothing immediately.

In the event of persistent symptoms receive medical treatment.

In case of inhalation

Ensure of fresh air.

In the event of symptoms refer for medical treatment.

In case of skin contact

In case of contact with skin wash off immediately with soap and water.

In case of eye contact

In case of contact with eyes rinse thoroughly with water.

Remove contact lenses

Refer to medical treatment.

In case of ingestion

Do not induce vomiting.

Seek medical advice immediately.

Rinse out mouth thoroughly with water.

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

No information available.

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

Treatment (Advice to doctor)

Treat symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam

Dry fire-extinguishing substance

Carbon dioxide

Water spray jet

5.2. Special hazards arising from the substance or mixture

In case of thermal decomposition, the product can evolve dangerous gases.



5.3. Advice for firefighters

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply (isolated).

Wear full protective clothing.

Additional information

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

Collect contaminated firefighting water separately, must not be discharged into the drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Avoid contact with clothing, skin and eyes.

Avoid dust formation.

Use personal protective clothing.

Use breathing apparatus if exposed to vapours/dust/aerosol.

6.2. Environmental precautions

Do not discharge into the drains or bodies of water..

Do not discharge into the subsoil/soil.

6.3. Methods and material for containment and cleaning up

Avoid dust formation.

After taking up the material dispose according to regulation.

Take up mechanically and send for disposal.

6.4. Reference to other sections

Safe handling: see section 7

Disposal: see section 13

Personal protection equipment: see section 8

Emergency telephone number: see section 1

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid the formation of dust.

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

The product should be handled with the care usual when dealing with chemicals.

General protective measures

Avoid contact with eyes and skin

Hygiene measures

Clean skin thoroughly after working.

Provide washing facilities at place of work.

At work do not eat, drink and smoke.

Remove soiled or soaked clothing immediately.

Keep away from food and drink.

Keep separated from food and feed.



Advice on protection against fire and explosion

Pay attention to general rules of internal fire prevention.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in closed original container.

Provide floor with bunding.

Advice on storage compatibility

Do not store together with food.

Do not store together with oxidizing agents.

Further information on storage conditions

Keep container tightly closed and store at cool and dry place.

Recommended storage temperature: < 0°C.

Storage group 11

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No information available.

8.2. Exposure controls

Respiratory protection

Short term: filter apparatus, Filter P2

In case of dust formation wear micro dust mask.

Hand protection

The selection of the suitable gloves does not only depend on different material, but also on further marks of quality and varies from manufacturer to manufacturer.

The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

The selected protective gloves have to meet the specifications of EU Directive 89/686 / EEC and the resultant standard EN374.

Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: Nitrile, 0,1 mm, 480 min. e.g. "Dermatril L" (KCL GmbH, Eichenzell (Germany); Email: Vertrieb@kcl.de).

Eye protection

tightly fitting goggles

Other protection measures

protective clothing

Appropriate engineering controls

Ensure good interior ventilation, if necessary exhaustion at the workplace.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

solid / lyophilized

Colour

brown

Odour

odourless

Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

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US IVD BTS



Odour threshold

not determined

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	not determined				
Boiling temperature / boiling range	not determined				
Melting point / Freezing point	not determined				
Flash point					Not applicable.
Vapourisation rate	not determined				
Flammable (solid)	not determined				
Flammability (gas)	not determined				
Ignition temperature	not determined				
Self ignition temperature					Product is not self igniting.
Lower explosion limit	not determined				
Upper explosion limit	not determined				
Vapour pressure	not determined				
Relative density	not determined				
Vapour density	not determined				
Solubility in water					miscible
Solubility/other	not determined				
Partition coefficient n-octanol/water (log P O/W)	not determined				
Decomposition temperature	not determined				
Viscosity	not determined				

Oxidising properties

No information available.

Explosive properties

The product is not explosive.



9.2. Other information
No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity
No information available.

10.2. Chemical stability
Stable under recommended storage conditions.
Stable under normal conditions of use.

10.3. Possibility of hazardous reactions
Reactions with strong oxidising agents.

10.4. Conditions to avoid
No information available.

10.5. Incompatible materials
Substances to avoid
Oxidising agent, strong

10.6. Hazardous decomposition products
Concerning possible decomposition products see section 5.

Thermal decomposition

Remark No decomposition if used as directed.

Additional information
As a general rule we recommend avoiding the contact with strong chemical reagents, such as acids, bases, reductors and oxidizers.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
Skin irritation	slightly irritant effect possible.			
Eye irritation	slightly irritant effect possible			
Skin sensitization	Prolonged or frequently repeated exposure may cause allergic reactions in sensitive persons.			

Subacute Toxicity - Carcinogenicity



Value	Species	Method	Validation
Carcinogenicity			This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Experiences made from practice

The product contains not yet fully tested (natural) substances. Thus health hazards can not be completely excluded.

Additional information

The product should be handled with the care usual when dealing with chemicals. Further hazardous properties can not be excluded.

SECTION 12: Ecological information

12.1. Toxicity

No information available.

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

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

General regulation

Ecological dates are not available.

Product is not allowed to be discharged into aquatic environment, drains or sewage treatment plants.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recommendations for the product

Remove in accordance with local official regulations.

Recommendations for packaging

Disposal in accordance with local regulations.

Packaging that cannot be cleaned should be disposed of like the product.

SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	-	-	-



	ADR/RID	IMDG	IATA-DGR
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)	-	-	-
14.4. Packing group	-	-	-
14.5. Environmental hazards	-	-	-
14.6. Special precautions for user No information available.			
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information available.			
Transport/further information No dangerous goods as defined by the transport regulations - ADR/RID, IMDG, ICAO/IATA-DGR.			

SECTION 15: Regulatory information

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

National regulations

Water hazard class -

15.2. Chemical Safety Assessment

No information available.

SECTION 16: Other information

Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

Further information

Each user is responsible for the implementation of the national special regulations.

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Please observe the following disclaimer! Our safety data sheets have been compiled according to effective EU directives, WITHOUT taking into account the special national directives concerning the handling of hazardous substances.

Sources of key data used

Data sheets of the sub-supplier.