

Rev.date: 10.05.2019 replaces version from 27.11.2015

| 1. | Identification of the substance/ | preparation and the company/undertaking |
|----|----------------------------------|--|
| | 1.1. Product identifier | |
| | Catalogue no.: | IC6300kg |
| | Product name: | anti-Gliadin sIgA / IgA ELISA Conjugate (CONJ) |

1.2. Relevant identified uses of the substance or mixture and uses advised against Materials for use in the appropriate testkit.

1.3. Details of the supplier of the safety data sheet Company: ImmuChrom GmbH Lise-Meitner-Str. 13 64646 Heppenheim Tel.: +49 6252 910084 Fax: +49 6252 910070 Email: info@immuchrom.de www.immuchrom.de

1.4. Emergency telephone number Available during the normal working hours +49 6252 910084

2. Hazards identification

2.1. Classification of the substance or mixture (Regulation (EC) No 1272/2008 none

2.2. Label elements (Regulation (EC) No 1272/2008 Hazard pictograms

Signal word

Hazard statements

Precautionary statements P280 P302 + P352 P305 + P351 + P338 P310

3. Composition/information on ingredients

The mixture contains the substances listed below and substances without dangerous potential.

4. First aid measures

4.1. Description of first aid measuresGeneral advice: First aider needs to protect himself.After inhalation: Fresh air, in case of discomfort consult a physician.

After skin contact: Wash with plenty of water, remove contaminated clothing, in case of discomfort consult a physician.

After eye contact: Rinse out with plenty of water. Immediately contact a ophthalmologist.

If swallowed : Give water to drink (two glases at most). Immediately contact a physician.

4.2. Most important symptoms and effects, both acute and delayed No information available

4.3. Indication of immediate medical attention and special treatment needed No information available

5. Fire fighting measures

5.1. Extinguishing media Suitable extinguishing media: Water, foam, carbon dioxyde (CO₂)

Unsuitable extinguishing media: none

5.2. Special hazards arising from the substance ort he mixture Ambient fire may cause evolution of nitrous gases

5.3. Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation, observe emergency procedures, call an expert.

6.2. Environmental precaution Do not empty into drains

6.3. Methods and materials for containment and cleaning up Cover drains. Collect, bind and pump off spills.

6.4. Reference to other sections For waste treatment refer to section 13

7. Handling and storage

7.1 Precaution for safe handling Wear disposable gloves while handling specimens or kit reagents and wash hands thoroughly afterwards.

7.2. Conditions for safe storage, including any incompatibilities

Keep tightly closed.

Store at +2 - +8 °C.

7.3. Specific end uses Apart from the use mentioned in section 1.2. no other specific uses are stipulated

8. Exposure controls/personal protection

8.1. Control parameters

| CAS-No. | Description |
|------------|--------------------------------------|
| 26172-55-4 | 5-Chlor-2-methyl-4-isothiazolin-3-on |
| 2682-20-4 | 2-Methyl-4-isothiazolin-3-on |
| 54-64-8 | Thimerosal (Hg containing) |

MAK (TRGS 900) 0,05 mg/m³ 0,05 mg/m³ 0,02 mg/m³

8.2. Exposure controls

Technical measures to reduce safety risk for the operator should be given priority over the use of personal protective equipment.

Individual protection measures

Hygiene measures: Wear disposable gloves while handling specimens or kit reagents and wash hands thoroughly afterwards. Do not eat, drink, smoke or apply makeup in areas where specimens or kit reagents are handled.

Eye protection: Wear safety glasses.

Hand protection: wear safety gloves The gloves must comply with the specifications of the directive EC 89/686/EEC and the related standard EN374.

Respiratory protection: Not necessary

Environmental exposure control: Do not empty into drains

9. Physical and chemical properties

10. Stability and reactivity

10.1. Reactivity no information available

10.2. Chemical stability Temperature sensitive. The mixture is stable at 2-8 °C up to the expiry date given on the label

10.3. Possibility of hazardous reactions Risk of explosion and/or toxic gas formation with the following substances

no information available

Violent reactions possible with:

No degradation when using according to the specification

10.4. Conditions to avoid Heat, direct sunlight

10.5. Incompatible materials Heavy metal salts, peroxidases, catalses

10.6. Hazardous decomposition products No information available.

11. Toxicological information

| | Туре | Value | Species |
|--------------------------------------|-------------------------|------------|---------|
| 5-Chlor-2-methyl-4-isothiazolin-3-on | LD ₅₀ (oral) | 3350 mg/kg | Rat |
| 2-Methyl-4-isothiazolin-3-on | LD ₅₀ (oral) | 550 mg/kg | Rat |
| Thimerosal | LD ₅₀ (oral) | 75 mg/kg | Rat |

Eye irritation Slight irritation

Slight irritation

CMR effects No information available

Specific target organ toxicity No information available

Aspiration hazard No information available

11.2. Further information Quantative data on toxicity of the mixture are not available

12. Ecological information

12.1. Toxicity Only relevant for the preservatives 5-Chlor-2-methyl-4-isothiazolin-3-on und 2-Methyl-4isothiazolin-3-on. Species Type Value Exposition time (h) Trout LC_{50} (mg/l) 0,19 Perch LC₅₀ (mg/l) 0,28 Algae (Skeletonema costatum) EC₅₀ (mg/l) 0,003 Algae (Selenastrum capricornutum) 0,018 EC_{50} (mg/l) Invertebrate (Daphnia magna) EC_{50} (mg/l) 0,16 Only relevant for the preservative Thimerosal. Exposition time (h) Species Type Value Catfish LC₅₀ (mg/l) 7.5 24 12.2. Persistence and degradability t1/2 anaerob (h) Substance 5-Chlor-2-methyl-4-isothiazolin-3-on 4,8

| 2-Methyl-4-isothiazolin-3-on | 9,1 |
|------------------------------|--------------------------|
| Thimerosal | no information available |

12.3. Bioaccumulative potencial

| Substance | Log Pow |
|------------|---------|
| Thimerosal | -1,88 |

Bioaccumulation is not expected because log Pow < 1

No information available for 5-Chlor-2-methyl-4-isothiazolin-3-on und 2-Methyl-4-isothiazolin-3-on.

12.4. Mobility in soil No information available

12.5. Results of PBT- and vPvB-assessment A PBT- and vPvB-assessment is not available, as a chemical safety assassment is not required/not conducted.

12.5. Other adverse effectsNo other effects are knownWhen using according the instruction ecological danger is not expected

13. Disposal consideration

Leftovers should be disposed concerning to the regulation 2008/98/EC and/or national and regional regulations.

Uncontaminated packing can be treated as normal waste or conduct into the recycling process.

14. Transport information

Not supposed to the transport regulation

ADR/RID

ΙΑΤΑ

IMDG

15. Regulatory information

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

This safety data sheet complies with the requirements of the regulation (EC) No. 1907/2006

15.2. Chemical safety assessment For this product a chemical safety assessment was not carried out

16. Other information

Text of H-codes mentioned in section 2

| | H300 | Fatal when swallowed |
|--|------|----------------------|
|--|------|----------------------|

- H301 Toxic if swallowed
- H310 Fatal when skin contact
- H311 Toxic in contact with skin
- H314 Causes severe skin burns and eye damage
- H317 May cause an allergic skin reaction
- H330 Fatal if inhaled

| H331 | Toxic if inhaled |
|---------------------|---|
| 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 |
| | |
| Precautionary state | ements |
| P280 | Wear protective gloves, protective clothing, eye protection |
| P302+P352 | If on skin: Wash with plenty of soap and water |
| P305+P351+P338 | If in eyes: Rinse cautiously with water for several minutes. Remove contact |
| | lenses, if present and easy to do. Continue rising. |
| P310 | Immediately call a POISON CENTER or doctor/physician |
| | |

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



Rev.date: 10.05.2019 replaces version from 27.11.2015

| 1. | . Identification of the substance/preparation and the company/undertaking | | |
|----|---|---|--|
| | 1.1. Product identifier | | |
| | Catalogue no.: | IC6300ko | |
| | Product name: | anti-Gliadin sIgA / IgA ELISA Controls (CTRL) | |

1.2. Relevant identified uses of the substance or mixture and uses advised against Materials for use in the appropriate testkit.

1.3. Details of the supplier of the safety data sheet Company: ImmuChrom GmbH Lise-Meitner-Str. 13 64646 Heppenheim Tel.: +49 6252 910084 Fax: +49 6252 910070 Email: info@immuchrom.de www.immuchrom.de

1.4. Emergency telephone number Available during the normal working hours +49 6252 910084

Hazards identification
 Classification of the mixture (Regulation (EC) No 1272/2008 none

2.2. Label elements (Regulation (EC) No 1272/2008 Hazard pictograms

Signal word

Hazard statements

Precautionary statements P280 P302 + P352 P305 + P351 + P338 P310

3. Composition/information on ingredients

The mixture contains the substances listed below and substances without dangerous potential.

| CAS-No. | EINECS | Description | Percent | H-codes of pure substance |
|---------|-----------|-------------|---------|------------------------------|
| 54-64-8 | 200-210-4 | Thimerosal | 0,02 | 300, 310, 330, 373, 400, 410 |

4. First aid measures

4.1. Description of first aid measuresGeneral advice: First aider needs to protect himself.After inhalation: Fresh air, in case of discomfort consult a physician.

After skin contact: Wash with plenty of water, remove contaminated clothing, in case of discomfort consult a physician.

After eye contact: Rinse out with plenty of water. Immediately contact a ophthalmologist.

If swallowed : Give water to drink (two glases at most). Immediately contact a physician.

4.2. Most important symptoms and effects, both acute and delayed No information available

4.3. Indication of immediate medical attention and special treatment needed No information available

5. Fire fighting measures

5.1. Extinguishing media Suitable extinguishing media: Water, foam, carbon dioxyde (CO₂)

Unsuitable extinguishing media: none

5.2. Special hazards arising from the substance ort he mixture Ambient fire may cause evolution of nitrous gases

5.3. Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation, observe temergency procedures, call an expert.

6.2. Environmental precaution Do not empty into drains

6.3. Methods and materials for containment and cleaning up Cover drains. Collect, bind and pump off spills.

6.4. Reference to other sections For waste treatment refer to section 13

7. Handling and storage

7.1 Precaution for safe handling Wear disposable gloves while handling specimens or kit reagents and wash hands thoroughly afterwards.

7.2. Conditions for safe storage, including any incompatibilities

Keep tightly closed.

Store at +2 - +8 °C.

7.3. Specific end uses Apart from the use mentioned in section 1.2. no other specific uses are stipulated

- 8. Exposure controls/personal protection
 - 8.1. Control parameters

CAS-No.

Description

MAK (TRGS 900)

54-64-8 Thimerosal (Hg containing)

0.02 mg/m³

8.2. Exposure controls

Technical measures to reduce safety risk for the operator should be given priority over the use of personal protective equipment.

Individual protection measures

Hygiene measures: Wear disposable gloves while handling specimens or kit reagents and wash hands thoroughly afterwards. Do not eat, drink, smoke or apply makeup in areas where specimens or kit reagents are handled.

Eye protection: Wear safety glasses.

Hand protection: wear safety gloves

The gloves must comply with the specifications of the directive EC 89/686/EEC and the related standard EN374.

Respiratory protection: Not necessary

Environmental exposure control: Do not empty into drains

9. Physical and chemical properties

10. Stability and reactivity

10.1. Reactivity no information available

10.2. Chemical stability Temperature sensitive. The mixture is stable at 2-8 °C up to the expiry date given on the label

10.3. Possibility of hazardous reactions Risk of explosion and/or toxic gas formation with the following substances no information available

Violent reactions possible with:

No degradation when using according to the specification

10.4. Conditions to avoid Heat, direct sunlight

10.5. Incompatible materials no information available

10.6. Hazardous decomposition products no information available

11. Toxicological information

| 11.1. Information on toxicological effects | - | | | . . |
|--|---|--------------------|--------------------------|-----------------------|
| Component Thimerosal | Type LD₅₀ (oral) | | /alue 75 mg/kg | Species Rat |
| Skin irritation Slight irritation | | | | |
| Eye irritation Slight irritation | | | | |
| CMR effects No information available | | | | |
| Specific target organ toxicity No information available | | | | |
| Aspiration hazard No information available | | | | |
| 11.2. Further information Quantative data on toxicity of the mixture ar | e not available | | | |
| . Ecological information | | | | |
| | | | | |
| 12.1. Toxicity | | | | |
| 12.1. Toxicity Only relevant for the preservative Thimerosa | | | – | |
| 12.1. Toxicity | al. <u>Type</u> LC ₅₀ (mg/l) | Value 7,5 | Exposition 24 | <u>time (h)</u> |
| 12.1. Toxicity Only relevant for the preservative Thimerose Species Catfish 12.2. Persistence and degradability | Type LC ₅₀ (mg/l) | 7,5 | | <u>time (h)</u> |
| 12.1. Toxicity Only relevant for the preservative Thimerose <u>Species</u> Catfish | Туре | 7,5 (<u>h)</u> | 24 | <u>time (h)</u> |
| 12.1. Toxicity Only relevant for the preservative Thimerose Species Catfish 12.2. Persistence and degradability Substance | Type LC ₅₀ (mg/l) t1/2 anaerob (| 7,5 (<u>h)</u> | 24 | <u>time (h)</u> |
| 12.1. Toxicity Only relevant for the preservative Thimerosa Species Catfish 12.2. Persistence and degradability Substance Thimerosal 12.3. Bioaccumulative potencial No information available Substance | Type LC ₅₀ (mg/l) <u>t1/2 anaerob (</u> no informatior Log Pow | 7,5 (<u>h)</u> | 24 | <u>time (h)</u> |
| 12.1. Toxicity Only relevant for the preservative Thimerosa Species Catfish 12.2. Persistence and degradability Substance Thimerosal 12.3. Bioaccumulative potencial No information available | Type LC ₅₀ (mg/l) <u>t1/2 anaerob (</u> no informatior | 7,5 (<u>h)</u> | 24 | <u>time (h)</u> |
| 12.1. Toxicity Only relevant for the preservative Thimerosa Species Catfish 12.2. Persistence and degradability Substance Thimerosal 12.3. Bioaccumulative potencial No information available Substance | Type LC ₅₀ (mg/l) <u>t1/2 anaerob (</u> no information <u>Log Pow</u> -1,88 | 7,5 (<u>h)</u> | 24 | <u>time (h)</u> |

12.5. Results of PBT- and vPvB-assessment A PBT- and vPvB-assessment is not available, as a chemical safety assassment is not required/not conducted. 12.5. Other adverse effects When using according the instruction ecological danger is not expected Danger for drinking water Do not allow to run into surface water, wastewater or soil.

13. Disposal consideration

Leftovers should be disposed concerning to the regulation 2008/98/EC and/or national and regional regulations.

Uncontaminated packing can be treated as normal waste or conduct into the recycling process.

14. Transport information

Not supposed to the transport regulation

ADR/RID

ΙΑΤΑ

IMDG

15. Regulatory information

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

This safety data sheet complies with the requirements of the regulation (EC) No. 1907/2006

15.2. Chemical safety assessment For this product a chemical safety assessment was not carried out

16. Other information

| Text of H-codes me | entioned in section 2 |
|---------------------|---|
| H300 | Fatal when swallowed |
| H310 | Fatal when skin contact |
| H330 | Fatal if inhaled |
| 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 |
| | |
| | |
| Precautionary state | ements |
| P280 | Wear protective gloves, protective clothing, eye protection |
| P302+P352 | If on skin: Wash with plenty of soap and water |
| P305+P351+P338 | If in eyes: Rinse cautiously with water for several minutes. Remove contact |
| | lenses, if present and easy to do. Continue rising. |
| P310 | Immediately call a POISON CENTER or doctor/physician |

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



Rev.date: 10.05.2019 replaces version from 27.11.2015

| 1. | Identification of the substance/ | preparation and the company/undertaking |
|----|----------------------------------|---|
| | 1.1. Product identifier | |
| | Catalogue no.: | IC6300st |
| | Product name: | anti-Gliadin sIgA / IgA ELISA Standards (STD) |

1.2. Relevant identified uses of the substance or mixture and uses advised against Materials for use in the appropriate testkit.

1.3. Details of the supplier of the safety data sheet Company: ImmuChrom GmbH Lise-Meitner-Str. 13 64646 Heppenheim Tel.: +49 6252 910084 Fax: +49 6252 910070 Email: info@immuchrom.de www.immuchrom.de

1.4. Emergency telephone number Available during the normal working hours +49 6252 910084

Hazards identification
 Classification of the mixture (Regulation (EC) No 1272/2008 none

2.2. Label elements (Regulation (EC) No 1272/2008 Hazard pictograms

Signal word

Hazard statements

Precautionary statements P280 P302 + P352 P305 + P351 + P338 P310

3. Composition/information on ingredients

The mixture contains the substances listed below and substances without dangerous potential.

| CAS-No. | EINECS | Description | Percent | H-codes of pure substance |
|---------|-----------|-------------|---------|------------------------------|
| 54-64-8 | 200-210-4 | Thimerosal | 0,02 | 300, 310, 330, 373, 400, 410 |

4. First aid measures

4.1. Description of first aid measuresGeneral advice: First aider needs to protect himself.After inhalation: Fresh air, in case of discomfort consult a physician.

After skin contact: Wash with plenty of water, remove contaminated clothing, in case of discomfort consult a physician.

After eye contact: Rinse out with plenty of water. Immediately contact a ophthalmologist.

If swallowed : Give water to drink (two glases at most). Immediately contact a physician.

4.2. Most important symptoms and effects, both acute and delayed No information available

4.3. Indication of immediate medical attention and special treatment needed No information available

5. Fire fighting measures

5.1. Extinguishing media Suitable extinguishing media: Water, foam, carbon dioxyde (CO₂)

Unsuitable extinguishing media: none

5.2. Special hazards arising from the substance ort he mixture Ambient fire may cause evolution of nitrous gases

5.3. Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation, observe temergency procedures, call an expert.

6.2. Environmental precaution Do not empty into drains

6.3. Methods and materials for containment and cleaning up Cover drains. Collect, bind and pump off spills.

6.4. Reference to other sections For waste treatment refer to section 13

7. Handling and storage

7.1 Precaution for safe handling Wear disposable gloves while handling specimens or kit reagents and wash hands thoroughly afterwards.

7.2. Conditions for safe storage, including any incompatibilities

Keep tightly closed.

Store at +2 - +8 °C.

7.3. Specific end uses Apart from the use mentioned in section 1.2. no other specific uses are stipulated

- 8. Exposure controls/personal protection
 - 8.1. Control parameters

| CAS-No. | Description |
|---------|----------------------------|
| 54-64-8 | Thimerosal (Hg containing) |

MAK (TRGS 900) 0.02 mg/m³

8.2. Exposure controls

Technical measures to reduce safety risk for the operator should be given priority over the use of personal protective equipment.

Individual protection measures

Hygiene measures: Wear disposable gloves while handling specimens or kit reagents and wash hands thoroughly afterwards. Do not eat, drink, smoke or apply makeup in areas where specimens or kit reagents are handled.

Eye protection: Wear safety glasses.

Hand protection: wear safety gloves The gloves must comply with the specifications of the directive EC 89/686/EEC and the related standard EN374.

Respiratory protection: Not necessary

Environmental exposure control: Do not empty into drains

9. Physical and chemical properties

| Form Colour Odour pH-Value Melting point Boiling point Flash point Evaporation rate Flammability (solid, gas) Lower explosion limit Higher explosion limit Vapour pressure Relative density Water solubility Partition coefficient: n-oktanol/water Autoignition temperature Decomposition temperature Viscosity, dynamic Explosive properties Oxidizing properties | liquid colourless odourless 7,2 no information available 100 °C no information available no information available no information available not explosive no information available 1,06 complete no information available no information available |
|--|---|
| Oxidizing properties Other data | no information available none |

10. Stability and reactivity

10.1. Reactivity no information available

10.2. Chemical stability

Temperature sensitive. The mixture is stable at 2-8 °C up to the expiry date given on the label

10.3. Possibility of hazardous reactions Risk of explosion and/or toxic gas formation with the following substances no information available

Violent reactions possible with:

No degradation when using according to the specification

10.4. Conditions to avoid Heat, direct sunlight

10.5. Incompatible materials no information available

10.6. Hazardous decomposition products no information available

11. Toxicological information

| | 11.1. Information on toxicological effects Component Thimerosal | Type LD ₅₀ (oral) | | /alue 75 mg/kg | Species Rat |
|-----|--|--|-----------|--------------------------|-----------------------|
| | Skin irritation Slight irritation | | | | |
| | Eye irritation Slight irritation | | | | |
| | CMR effects No information available | | | | |
| | Specific target organ toxicity No information available | | | | |
| | Aspiration hazard No information available | | | | |
| | 11.2. Further information Quantative data on toxicity of the mixture ar | e not available | | | |
| 12. | Ecological information | | | | |
| | 12.1. Toxicity Only relevant for the preservative Thimeros | al. | | | |
| | Species | Туре | Value | Exposition t | <u>ime (h)</u> |
| | Catfish | LC ₅₀ (mg/l) | 7,5 | 24 | |
| | 12.2. Persistence and degradability Substance | t1/2 anaerob (I | | | |
| | Thimerosal | no information | available | e | |
| | 12.3. Bioaccumulative potencial No information available | | | | |
| | Substance | Log Pow | | | |
| | Thimerosal | -1,88 | | | |
| | Bioaccumulation is not expected because lo | $P_{OW} < 1$ | | | |

Bioaccumulation is not expected because log Pow < 1

12.4. Mobility in soil No information available

12.5. Results of PBT- and vPvB-assessment A PBT- and vPvB-assessment is not available, as a chemical safety assassment is not required/not conducted.

12.5. Other adverse effects When using according the instruction ecological danger is not expected Danger for drinking water Do not allow to run into surface water, wastewater or soil.

13. Disposal consideration

Leftovers should be disposed concerning to the regulation 2008/98/EC and/or national and regional regulations.

Uncontaminated packing can be treated as normal waste or conduct into the recycling process.

14. Transport information

Not supposed to the transport regulation

ADR/RID

ΙΑΤΑ

IMDG

15. Regulatory information

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

This safety data sheet complies with the requirements of the regulation (EC) No. 1907/2006

15.2. Chemical safety assessment For this product a chemical safety assessment was not carried out

16. Other information

| Text of H-codes me | entioned in section 2 |
|---------------------|---|
| H300 | Fatal when swallowed |
| H310 | Fatal when skin contact |
| H330 | Fatal if inhaled |
| 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 |
| Precautionary state | ements |
| P280 | Wear protective gloves, protective clothing, eye protection |
| P302+P352 | If on skin: Wash with plenty of soap and water |
| P305+P351+P338 | If in eyes: Rinse cautiously with water for several minutes. Remove contact |
| | lenses, if present and easy to do. Continue rising. |
| P310 | Immediately call a POISON CENTER or doctor/physician |
| | |

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



Rev.date: 27.11.2015 replaces version from 12.08.2011

 1. Identification of the substance/preparation and the company/undertaking

 1.1. Product identifier

 Catalogue no.:
 IC6300ko

 Product name:
 anti-Gliadin sIgA / IgA ELISA Controls (CTRL)

1.2. Relevant identified uses of the substance or mixture and uses advised against Materials for use in the appropriate testkit.

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1.4. Emergency telephone number Available during the normal working hours +49 6252 910084

Hazards identification
 Classification of the mixture (Regulation (EC) No 1272/2008 none
 Label elements (Regulation (EC) No 1272/2008

2.2. Label elements (Regulation (EC) No 1272/2008 Hazard pictograms

Signal word

Hazard statements

Precautionary statements P280 P302 + P352 P305 + P351 + P338 P310

3. Composition/information on ingredients

The mixture contains the substances listed below and substances without dangerous potential.

| CAS-No. | EINECS | Description | Percent | H-codes of pure substance |
|---------|-----------|-------------|---------|------------------------------|
| 54-64-8 | 200-210-4 | Thimerosal | 0,02 | 300, 310, 330, 373, 400, 410 |

4. First aid measures

4.1. Description of first aid measuresGeneral advice: First aider needs to protect himself.After inhalation: Fresh air, in case of discomfort consult a physician.

After skin contact: Wash with plenty of water, remove contaminated clothing, in case of discomfort consult a physician.

After eye contact: Rinse out with plenty of water. Immediately contact a ophthalmologist.

If swallowed : Give water to drink (two glases at most). Immediately contact a physician.

4.2. Most important symptoms and effects, both acute and delayed No information available

4.3. Indication of immediate medical attention and special treatment needed No information available

5. Fire fighting measures

5.1. Extinguishing media Suitable extinguishing media: Water, foam, carbon dioxyde (CO₂)

Unsuitable extinguishing media: none

5.2. Special hazards arising from the substance ort he mixture Ambient fire may cause evolution of nitrous gases

5.3. Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation, observe temergency procedures, call an expert.

6.2. Environmental precaution Do not empty into drains

6.3. Methods and materials for containment and cleaning up Cover drains. Collect, bind and pump off spills.

6.4. Reference to other sections For waste treatment refer to section 13

7. Handling and storage

7.1 Precaution for safe handling Wear disposable gloves while handling specimens or kit reagents and wash hands thoroughly afterwards.

7.2. Conditions for safe storage, including any incompatibilities

Keep tightly closed.

Store at +2 - +8 °C.

7.3. Specific end uses Apart from the use mentioned in section 1.2. no other specific uses are stipulated

8. Exposure controls/personal protection

8.1. Control parameters

| CAS-No. | Description |
|---------|----------------------------|
| 54-64-8 | Thimerosal (Hg containing) |

8.2. Exposure controls

Technical measures to reduce safety risk for the operator should be given priority over the use of personal protective equipment.

Individual protection measures

Hygiene measures: Wear disposable gloves while handling specimens or kit reagents and wash hands thoroughly afterwards. Do not eat, drink, smoke or apply makeup in areas where specimens or kit reagents are handled.

Eye protection: Wear safety glasses.

Hand protection: wear safety gloves The gloves must comply with the specifications of the directive EC 89/686/EEC and the related standard EN374.

Respiratory protection: Not necessary

Environmental exposure control: Do not empty into drains

9. Physical and chemical properties

10. Stability and reactivity

10.1. Reactivity no information available

10.2. Chemical stability Temperature sensitive. The mixture is stable at 2-8 °C up to the expiry date given on the label

10.3. Possibility of hazardous reactions Risk of explosion and/or toxic gas formation with the following substances no information available

| Violent reactions possible with: | | | | |
|--|--|--------------|------------------------|-----------------------|
| No degradation when using according to the | ne specification | | | |
| 10.4. Conditions to avoid Heat, direct sunlight | | | | |
| 10.5. Incompatible materials no information available | | | | |
| 10.6. Hazardous decomposition products no information available | | | | |
| 1. Toxicological information | | | | |
| 11.1. Information on toxicological effects Component Thimerosal | Type LD ₅₀ (oral) | = | alue 5 mg/kg | Specie: Rat |
| Skin irritation Slight irritation | | | | |
| Eye irritation Slight irritation | | | | |
| CMR effects No information available | | | | |
| | | | | |
| Specific target organ toxicity No information available | | | | |
| | | | | |
| No information available Aspiration hazard | are not available | | | |
| No information available Aspiration hazard No information available 11.2. Further information Quantative data on toxicity of the mixture a | are not available | | | |
| No information available Aspiration hazard No information available 11.2. Further information Quantative data on toxicity of the mixture a | are not available | | | |
| No information available Aspiration hazard No information available 11.2. Further information Quantative data on toxicity of the mixture a | | | | |
| No information available Aspiration hazard No information available 11.2. Further information Quantative data on toxicity of the mixture a 2. Ecological information 12.1. Toxicity Only relevant for the preservative Thimero Species | sal. Type | Value | Exposition | <u>n time (h)</u> |
| No information available Aspiration hazard No information available 11.2. Further information Quantative data on toxicity of the mixture a 2. Ecological information 12.1. Toxicity Only relevant for the preservative Thimero | sal. | Value 7,5 | Exposition 24 | <u>n time (h)</u> |
| No information available Aspiration hazard No information available 11.2. Further information Quantative data on toxicity of the mixture a 2. Ecological information 12.1. Toxicity Only relevant for the preservative Thimero <u>Species</u> Catfish 12.2. Persistence and degradability | sal. <u>Type</u> LC ₅₀ (mg/l) | 7,5 | | <u>n time (h)</u> |
| No information available Aspiration hazard No information available 11.2. Further information Quantative data on toxicity of the mixture a 2. Ecological information 12.1. Toxicity Only relevant for the preservative Thimero <u>Species</u> Catfish 12.2. Persistence and degradability <u>Substance</u> | sal. Type LC₅₀ (mg/l) t1/2 anaerob | 7,5 (h) | 24 | <u>n time (h)</u> |
| No information available Aspiration hazard No information available 11.2. Further information Quantative data on toxicity of the mixture a 2. Ecological information 12.1. Toxicity Only relevant for the preservative Thimero <u>Species</u> Catfish 12.2. Persistence and degradability | sal. <u>Type</u> LC ₅₀ (mg/l) | 7,5 (h) | 24 | <u>n time (h)</u> |
| No information available Aspiration hazard No information available 11.2. Further information Quantative data on toxicity of the mixture a 2. Ecological information 12.1. Toxicity Only relevant for the preservative Thimero <u>Species</u> Catfish 12.2. Persistence and degradability <u>Substance</u> | sal. Type LC₅₀ (mg/l) t1/2 anaerob | 7,5 (h) | 24 | <u>n time (h)</u> |
| No information available Aspiration hazard No information available 11.2. Further information Quantative data on toxicity of the mixture a 2. Ecological information 12.1. Toxicity Only relevant for the preservative Thimero <u>Species</u> Catfish 12.2. Persistence and degradability <u>Substance</u> Thimerosal 12.3. Bioaccumulative potencial | sal. Type LC₅₀ (mg/l) t1/2 anaerob | 7,5 (h) | 24 | <u>n time (h)</u> |

No information available

12.5. Results of PBT- and vPvB-assessment

A PBT- and vPvB-assessment is not available, as a chemical safety assassment is not required/not conducted.

12.5. Other adverse effects When using according the instruction ecological danger is not expected Danger for drinking water Do not allow to run into surface water, wastewater or soil.

13. Disposal consideration

Leftovers should be disposed concerning to the regulation 2008/98/EC and/or national and regional regulations.

Uncontaminated packing can be treated as normal waste or conduct into the recycling process.

14. Transport information

Not supposed to the transport regulation

ADR/RID

ΙΑΤΑ

IMDG

15. Regulatory information

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

This safety data sheet complies with the requirements of the regulation (EC) No. 1907/2006

15.2. Chemical safety assessment For this product a chemical safety assessment was not carried out

16. Other information

| Text of H-codes mentioned in section 2 | | | | |
|--|---|--|--|--|
| H300 | Fatal when swallowed | | | |
| H310 | Fatal when skin contact | | | |
| H330 | Fatal if inhaled | | | |
| 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 | | | |
| | | | | |
| Precautionary statements | | | | |
| P280 | Wear protective gloves, protective clothing, eye protection | | | |
| P302+P352 | If on skin: Wash with plenty of soap and water | | | |
| P305+P351+P338 | If in eyes: Rinse cautiously with water for several minutes. Remove contact | | | |
| | lenses, if present and easy to do. Continue rising. | | | |
| | | | | |

P310 Immediately call a POISON CENTER or doctor/physician

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



Safety data sheet According to regulation (EC) No. 1907/2006

Rev.date: 27.11.2015 replaces version from 12.08.2011

 Identification of the substance/preparation and the company/undertaking 1.1. Product identifier Catalogue no.: IC6300wp Product name: Wash buffer conc. (WASHBUF)

1.2. Relevant identified uses of the substance or mixture and uses advised against Materials for use in the appropriate testkit.

anti Gliadin / anti transglutaminase

1.3. Details of the supplier of the safety data sheet Company: ImmuChrom GmbH Donnersbergstr. 1 64646 Heppenheim Tel.: +49 6252 910084 Fax: +49 6252 910070 Email: <u>info@immuchrom.de</u> www.immuchrom.de

1.4. Emergency telephone number Available during the normal working hours +49 6252 910084

Hazards identification
 Classification of the mixture (Regulation (EC) No 1272/2008 none

2.2. Label elements (Regulation (EC) No 1272/2008 Hazard pictograms

Signal word

Hazard statements

Precautionary statements P280 P302 + P352 P305 + P351 + P338 P310

3. Composition/information on ingredients

The mixture contains the substances listed below and substances without dangerous potential.

| CAS-No. | EINECS | Description | Percent | H-codes of pure substance |
|---------|-----------|-------------|---------|------------------------------|
| 54-64-8 | 200-210-4 | Thimerosal | 0,02 | 300, 310, 330, 373, 400, 410 |

4. First aid measures

4.1. Description of first aid measuresGeneral advice: First aider needs to protect himself.After inhalation: Fresh air, in case of discomfort consult a physician.

After skin contact: Wash with plenty of water, remove contaminated clothing, in case of discomfort consult a physician.

After eye contact: Rinse out with plenty of water. Immediately contact a ophthalmologist.

If swallowed : Give water to drink (two glases at most). Immediately contact a physician.

4.2. Most important symptoms and effects, both acute and delayed No information available

4.3. Indication of immediate medical attention and special treatment needed No information available

5. Fire fighting measures

5.1. Extinguishing media Suitable extinguishing media: Water, foam, carbon dioxyde (CO₂)

Unsuitable extinguishing media: none

5.2. Special hazards arising from the substance ort he mixture Ambient fire may cause evolution of nitrous gases

5.3. Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation, observe temergency procedures, call an expert.

6.2. Environmental precaution Do not empty into drains

6.3. Methods and materials for containment and cleaning up Cover drains. Collect, bind and pump off spills.

6.4. Reference to other sections For waste treatment refer to section 13

7. Handling and storage

7.1 Precaution for safe handling Wear disposable gloves while handling specimens or kit reagents and wash hands thoroughly afterwards.

7.2. Conditions for safe storage, including any incompatibilities

Keep tightly closed.

Store at +2 - +8 °C.

7.3. Specific end uses Apart from the use mentioned in section 1.2. no other specific uses are stipulated

8. Exposure controls/personal protection

8.1. Control parameters

| CAS-No. | Description |
|---------|----------------------------|
| 54-64-8 | Thimerosal (Hg containing) |

MAK (TRGS 900) 0.02 mg/m³

8.2. Exposure controls

Technical measures to reduce safety risk for the operator should be given priority over the use of personal protective equipment.

Individual protection measures

Hygiene measures: Wear disposable gloves while handling specimens or kit reagents and wash hands thoroughly afterwards. Do not eat, drink, smoke or apply makeup in areas where specimens or kit reagents are handled.

Eye protection: Wear safety glasses.

Hand protection: wear safety gloves The gloves must comply with the specifications of the directive EC 89/686/EEC and the related standard EN374.

Respiratory protection: Not necessary

Environmental exposure control: Do not empty into drains

9. Physical and chemical properties

| Form | liquid |
|--|--------------------------|
| Colour | colourless |
| Odour | odourless |
| pH-Value | 7,2 |
| Melting point | no information available |
| Boiling point | 100 °C |
| Flash point | no information available |
| Evaporation rate | no information available |
| Flammability (solid, gas) | no information available |
| Lower explosion limit | not exposive |
| Higher explosion limit | not explosive |
| Vapour pressure | no information available |
| Relative density | 1,06 |
| Water solubility | complete |
| Partition coefficient: n-oktanol/water | no information available |
| Autoignition temperature | no information available |
| Decomposition temperature | no information available |
| Viscosity, dynamic | no information available |
| Explosive properties | not explosive |
| Oxidizing properties | no information available |
| Other data | none |
| | |

10. Stability and reactivity

10.1. Reactivity no information available

10.2. Chemical stability Temperature sensitive. The mixture is stable at 2-8 °C up to the expiry date given on the label

10.3. Possibility of hazardous reactions Risk of explosion and/or toxic gas formation with the following substances no information available

Violent reactions possible with:

No degradation when using according to the specification

10.4. Conditions to avoid Heat, direct sunlight

10.5. Incompatible materials no information available

10.6. Hazardous decomposition products no information available

11. Toxicological information

| | 「 ype ₋D₅₀ (oral) | | Value 75 mg/kg | Species Rat |
|--|---|--------------|--------------------------|-----------------------|
| Skin irritation Slight irritation | | | | |
| Eye irritation Slight irritation | | | | |
| CMR effects No information available | | | | |
| Specific target organ toxicity No information available | | | | |
| Aspiration hazard No information available | | | | |
| 11.2. Further information | | | | |
| Quantative data on toxicity of the mixture are | not available | | | |
| Quantative data on toxicity of the mixture are | not available | | | |
| | not available | | | |
| 2. Ecological information 12.1. Toxicity Only relevant for the preservative Thimerosal. | | | | |
| 2. Ecological information 12.1. Toxicity Only relevant for the preservative Thimerosal. Species | Туре | Value | Exposition | <u>i time (h)</u> |
| 2. Ecological information 12.1. Toxicity Only relevant for the preservative Thimerosal. | | Value 7,5 | Exposition 24 | <u>i time (h)</u> |
| 2. Ecological information 12.1. Toxicity Only relevant for the preservative Thimerosal. <u>Species</u> Catfish | Туре | | | <u>i time (h)</u> |
| 2. Ecological information 12.1. Toxicity Only relevant for the preservative Thimerosal. <u>Species</u> Catfish 12.2. Persistence and degradability | Type LC ₅₀ (mg/l) | 7,5 | | <u>ı time (h)</u> |
| 2. Ecological information 12.1. Toxicity Only relevant for the preservative Thimerosal. <u>Species</u> Catfish | Туре | 7,5) | 24 | <u>i time (h)</u> |
| 2. Ecological information 12.1. Toxicity Only relevant for the preservative Thimerosal. <u>Species</u> Catfish 12.2. Persistence and degradability <u>Substance</u> | Type LC ₅₀ (mg/l) t1/2 anaerob (h | 7,5) | 24 | <u>i time (h)</u> |
| 2. Ecological information 12.1. Toxicity Only relevant for the preservative Thimerosal. Species Catfish 12.2. Persistence and degradability Substance Thimerosal 12.3. Bioaccumulative potencial No information available | Type LC ₅₀ (mg/l) <u>t1/2 anaerob (h</u> no information a | 7,5) | 24 | <u>ı time (h)</u> |
| 2. Ecological information 12.1. Toxicity Only relevant for the preservative Thimerosal. <u>Species</u> Catfish 12.2. Persistence and degradability <u>Substance</u> Thimerosal 12.3. Bioaccumulative potencial | Type LC ₅₀ (mg/l) t1/2 anaerob (h | 7,5) | 24 | <u>i time (h)</u> |

No information available

12.5. Results of PBT- and vPvB-assessment

A PBT- and vPvB-assessment is not available, as a chemical safety assassment is not required/not conducted.

12.5. Other adverse effects When using according the instruction ecological danger is not expected Danger for drinking water Do not allow to run into surface water, wastewater or soil.

13. Disposal consideration

Leftovers should be disposed concerning to the regulation 2008/98/EC and/or national and regional regulations.

Uncontaminated packing can be treated as normal waste or conduct into the recycling process.

14. Transport information

Not supposed to the transport regulation

ADR/RID

ΙΑΤΑ

IMDG

15. Regulatory information

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

This safety data sheet complies with the requirements of the regulation (EC) No. 1907/2006

15.2. Chemical safety assessment For this product a chemical safety assessment was not carried out

16. Other information

P310

| Text of H-codes me | Text of H-codes mentioned in section 2 | | | |
|--------------------------|---|--|--|--|
| H300 | Fatal when swallowed | | | |
| H310 | Fatal when skin contact | | | |
| H330 | Fatal if inhaled | | | |
| 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 | | | |
| | | | | |
| Precautionary statements | | | | |
| P280 | Wear protective gloves, protective clothing, eye protection | | | |
| P302+P352 | If on skin: Wash with plenty of soap and water | | | |
| P305+P351+P338 | If in eyes: Rinse cautiously with water for several minutes. Remove contact | | | |
| | lenses, if present and easy to do. Continue rising. | | | |

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

Immediately call a POISON CENTER or doctor/physician



Safety data sheet According to regulation (EC) No. 1907/2006

Rev.date: 27.11.2015 replaces version from 12.08.2011

Identification of the substance/preparation and the company/undertaking
 1.1. Product identifier
 Catalogue no.:
 IC6300sb
 Product name:
 Samplebuffer (SAMPLEBUF)
 anti gliadin / anti transglutaminase

1.2. Relevant identified uses of the substance or mixture and uses advised against Materials for use in the appropriate testkit.

1.3. Details of the supplier of the safety data sheet Company: ImmuChrom GmbH Donnersbergstr. 1 64646 Heppenheim Tel.: +49 6252 910084 Fax: +49 6252 910070 Email: <u>info@immuchrom.de</u> www.immuchrom.de

1.4. Emergency telephone number Available during the normal working hours +49 6252 910084

Hazards identification
 Classification of the mixture (Regulation (EC) No 1272/2008 none

2.2. Label elements (Regulation (EC) No 1272/2008 Hazard pictograms

Signal word

Hazard statements

Precautionary statements P280 P302 + P352 P305 + P351 + P338 P310

3. Composition/information on ingredients

The mixture contains the substances listed below and substances without dangerous potential.

| CAS-No. | EINECS | Description | Percent | H-codes of pure substance |
|---------|-----------|-------------|---------|------------------------------|
| 54-64-8 | 200-210-4 | Thimerosal | 0,02 | 300, 310, 330, 373, 400, 410 |

4. First aid measures

4.1. Description of first aid measuresGeneral advice: First aider needs to protect himself.After inhalation: Fresh air, in case of discomfort consult a physician.

After skin contact: Wash with plenty of water, remove contaminated clothing, in case of discomfort consult a physician.

After eye contact: Rinse out with plenty of water. Immediately contact a ophthalmologist.

If swallowed : Give water to drink (two glases at most). Immediately contact a physician.

4.2. Most important symptoms and effects, both acute and delayed No information available

4.3. Indication of immediate medical attention and special treatment needed No information available

5. Fire fighting measures

5.1. Extinguishing media Suitable extinguishing media: Water, foam, carbon dioxyde (CO₂)

Unsuitable extinguishing media: none

5.2. Special hazards arising from the substance ort he mixture Ambient fire may cause evolution of nitrous gases

5.3. Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation, observe temergency procedures, call an expert.

6.2. Environmental precaution Do not empty into drains

6.3. Methods and materials for containment and cleaning up Cover drains. Collect, bind and pump off spills.

6.4. Reference to other sections For waste treatment refer to section 13

7. Handling and storage

7.1 Precaution for safe handling Wear disposable gloves while handling specimens or kit reagents and wash hands thoroughly afterwards.

7.2. Conditions for safe storage, including any incompatibilities

Keep tightly closed.

Store at +2 - +8 °C.

7.3. Specific end uses Apart from the use mentioned in section 1.2. no other specific uses are stipulated

8. Exposure controls/personal protection

8.1. Control parameters

| CAS-No. | Description |
|---------|----------------------------|
| 54-64-8 | Thimerosal (Hg containing) |

MAK (TRGS 900) 0.02 mg/m³

8.2. Exposure controls

Technical measures to reduce safety risk for the operator should be given priority over the use of personal protective equipment.

Individual protection measures

Hygiene measures: Wear disposable gloves while handling specimens or kit reagents and wash hands thoroughly afterwards. Do not eat, drink, smoke or apply makeup in areas where specimens or kit reagents are handled.

Eye protection: Wear safety glasses.

Hand protection: wear safety gloves The gloves must comply with the specifications of the directive EC 89/686/EEC and the related standard EN374.

Respiratory protection: Not necessary

Environmental exposure control: Do not empty into drains

9. Physical and chemical properties

| Form Colour Odour pH-Value Melting point Boiling point Flash point Evaporation rate Flammability (solid, gas) Lower explosion limit Higher explosion limit Vapour pressure Relative density Water solubility Partition coefficient: n-oktanol/water Autoignition temperature Decomposition temperature | liquid colourless odourless 7,6 no information available 100 °C no information available no information available no information available not explosive no information available 1,06 complete no information available no information available no information available |
|--|---|
| Water solubility Partition coefficient: n-oktanol/water | complete no information available |
| Viscosity, dynamic Explosive properties | no information available not explosive |
| Oxidizing properties Other data | no information available none |

10. Stability and reactivity

10.1. Reactivity no information available

10.2. Chemical stability Temperature sensitive. The mixture is stable at 2-8 °C up to the expiry date given on the label

10.3. Possibility of hazardous reactions Risk of explosion and/or toxic gas formation with the following substances no information available

Violent reactions possible with:

No degradation when using according to the specification

10.4. Conditions to avoid Heat, direct sunlight

10.5. Incompatible materials no information available

10.6. Hazardous decomposition products no information available

11. Toxicological information

| | Гуре ₋D₅₀ (oral) | | Value 75 mg/kg | Species Rat |
|--|--|---------------------|--------------------------|-----------------------|
| Skin irritation Slight irritation | | | | |
| Eye irritation Slight irritation | | | | |
| CMR effects No information available | | | | |
| Specific target organ toxicity No information available | | | | |
| Aspiration hazard No information available | | | | |
| 11.2. Further information | | | | |
| Quantative data on toxicity of the mixture are | not available | | | |
| | not available | | | |
| Quantative data on toxicity of the mixture are 2. Ecological information | not available | | | |
| Quantative data on toxicity of the mixture are 2. Ecological information 12.1. Toxicity | | | | |
| Quantative data on toxicity of the mixture are 2. Ecological information 12.1. Toxicity Only relevant for the preservative Thimerosal. | | Value | Expositior | n time (h) |
| Quantative data on toxicity of the mixture are 2. Ecological information 12.1. Toxicity | Туре | <u>Value</u> 7,5 | Expositior 24 | n time (h) |
| Quantative data on toxicity of the mixture are 2. Ecological information 12.1. Toxicity Only relevant for the preservative Thimerosal. Species Catfish | Туре | | | <u>n time (h)</u> |
| Quantative data on toxicity of the mixture are 2. Ecological information 12.1. Toxicity Only relevant for the preservative Thimerosal. <u>Species</u> Catfish 12.2. Persistence and degradability | <u>Type</u> LC ₅₀ (mg/l) | 7,5 | | <u>n time (h)</u> |
| Quantative data on toxicity of the mixture are 2. Ecological information 12.1. Toxicity Only relevant for the preservative Thimerosal. Species Catfish | Туре | 7,5 | 24 | <u>n time (h)</u> |
| Quantative data on toxicity of the mixture are 2. Ecological information 12.1. Toxicity Only relevant for the preservative Thimerosal. Species Catfish 12.2. Persistence and degradability Substance | <u>Type</u> LC ₅₀ (mg/l) t1/2 anaerob (h) | 7,5 | 24 | <u>n time (h)</u> |
| Quantative data on toxicity of the mixture are 2. Ecological information 12.1. Toxicity Only relevant for the preservative Thimerosal. <u>Species</u> Catfish 12.2. Persistence and degradability <u>Substance</u> Thimerosal 12.3. Bioaccumulative potencial | Type LC ₅₀ (mg/l) <u>t1/2 anaerob (h)</u> no information a | 7,5 | 24 | <u>n time (h)</u> |
| Quantative data on toxicity of the mixture are 2. Ecological information 12.1. Toxicity Only relevant for the preservative Thimerosal. <u>Species</u> Catfish 12.2. Persistence and degradability <u>Substance</u> Thimerosal 12.3. Bioaccumulative potencial No information available | <u>Type</u> LC ₅₀ (mg/l) t1/2 anaerob (h) | 7,5 | 24 | <u>n time (h)</u> |

No information available

12.5. Results of PBT- and vPvB-assessment

A PBT- and vPvB-assessment is not available, as a chemical safety assassment is not required/not conducted.

12.5. Other adverse effects When using according the instruction ecological danger is not expected Danger for drinking water Do not allow to run into surface water, wastewater or soil.

13. Disposal consideration

Leftovers should be disposed concerning to the regulation 2008/98/EC and/or national and regional regulations.

Uncontaminated packing can be treated as normal waste or conduct into the recycling process.

14. Transport information

Not supposed to the transport regulation

ADR/RID

ΙΑΤΑ

IMDG

15. Regulatory information

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

This safety data sheet complies with the requirements of the regulation (EC) No. 1907/2006

15.2. Chemical safety assessment For this product a chemical safety assessment was not carried out

16. Other information

P310

| Text of H-codes me | Text of H-codes mentioned in section 2 | | | |
|--------------------------|---|--|--|--|
| H300 | Fatal when swallowed | | | |
| H310 | Fatal when skin contact | | | |
| H330 | Fatal if inhaled | | | |
| 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 | | | |
| | | | | |
| Precautionary statements | | | | |
| P280 | Wear protective gloves, protective clothing, eye protection | | | |
| P302+P352 | If on skin: Wash with plenty of soap and water | | | |
| P305+P351+P338 | If in eyes: Rinse cautiously with water for several minutes. Remove contact | | | |
| | lenses, if present and easy to do. Continue rising. | | | |

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

Immediately call a POISON CENTER or doctor/physician



Rev.date: 12.08.2011 replaces version from

Identification of the substance/preparation and the company/undertaking
 1.1. Product identifier
 Catalogue no.:
 IC6000su
 Product name:
 IC6000su
 Anti-Gliadin sIgA / IgA ELISA TMB-Substrate (SUB)

1.2. Relevant identified uses of the substance or mixture and uses advised against Materials for use in the appropriate testkit.

1.3. Details of the supplier of the safety data sheet Company: ImmuChrom GmbH Donnersbergstr. 1 64646 Heppenheim Tel.: +49 6252 910084 Fax: +49 6252 910070 Email: info@immuchrom.de www.immuchrom.de

1.4. Emergency telephone number Available during the normal working hours +49 6252 910084

Hazards identification
 Classification of the substance or mixture (Regulation (EC) No 1272/2008 none

2.2. Label elements (Regulation (EC) No 1272/2008 Hazard pictograms

Signal word

Hazard statements

Precautionary statements P280 P302 + P352 P305 + P351 + P338 P310

3. Composition/information on ingredients

The mixture contains the substances listed below and substances without dangerous potential.

4. First aid measures

4.1. Description of first aid measuresGeneral advice: First aider needs to protect himself.After inhalation: Fresh air, in case of discomfort consult a physician.

After skin contact: Wash with plenty of water, remove contaminated clothing, in case of discomfort consult a physician.

After eye contact: Rinse out with plenty of water. Immediately contact a ophthalmologist.

If swallowed : Give water to drink (two glases at most). Immediately contact a physician.

4.2. Most important symptoms and effects, both acute and delayed No information available

4.3. Indication of immediate medical attention and special treatment needed No information available

5. Fire fighting measures

5.1. Extinguishing media Suitable extinguishing media: Water, foam, carbon dioxyde (CO₂)

Unsuitable extinguishing media: none

5.2. Special hazards arising from the substance ort he mixture Ambient fire may cause evolution of nitrous gases

5.3. Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation, observe emergency procedures, call an expert.

6.2. Environmental precaution Do not empty into drains

6.3. Methods and materials for containment and cleaning up Cover drains. Collect, bind and pump off spills.

6.4. Reference to other sections For waste treatment refer to section 13

7. Handling and storage

7.1 Precaution for safe handling Wear disposable gloves while handling specimens or kit reagents and wash hands thoroughly afterwards.

7.2. Conditions for safe storage, including any incompatibilities

Keep tightly closed.

Store at +2 - +8 °C.

8. Exposure controls/personal protection

8.1. Control parameters

| Description 3,3',5,5'-Tetramethylbenzidine Ethylendiamintetraacetic-di-sodium-salt 5-Chlor-2-methyl-4-isothiazolin-3-on 2-Methyl-4-isothiazolin-3-on | MAK (TRGS 900) not listed not listed 0,05 mg/m ³ 0,05 mg/m ³ |
|---|---|
| Hydrogenperoxyd | 1,4 mg/m ³ |
| | 3,3´,5,5´-Tetramethylbenzidine Ethylendiamintetraacetic-di-sodium-salt 5-Chlor-2-methyl-4-isothiazolin-3-on 2-Methyl-4-isothiazolin-3-on |

8.2. Exposure controls

Technical measures to reduce safety risk for the operator should be given priority over the use of personal protective equipment.

Individual protection measures

Hygiene measures: Wear disposable gloves while handling specimens or kit reagents and wash hands thoroughly afterwards. Do not eat, drink, smoke or apply makeup in areas where specimens or kit reagents are handled.

Eye protection: Wear safety glasses.

Hand protection: wear safety gloves

The gloves must comply with the specifications of the directive EC 89/686/EEC and the related standard EN374.

Respiratory protection: Not necessary

Environmental exposure control: Do not empty into drains

9. Physical and chemical properties

| Form Colour Odour pH-Value Melting point Boiling point Flash point Evaporation rate Flammability (solid, gas) Lower explosion limit Higher explosion limit Vapour pressure Relative density Water solubility Partition coefficient: n-oktanol/water Autoignition temperature Decomposition temperature Viscosity, dynamic Explosive properties Oxidizing properties Other data | liquid, slightly foaming when shaken colourless characteristic 3,6-3,8 no information available 100 °C no information available no information available no information available not exposive not explosive no information available 1,003 g/ml complete no information available no information available not explosive no information available |
|--|---|
|--|---|

10. Stability and reactivity

10.1. Reactivity no information available

10.2. Chemical stability Temperature sensitive. The mixture is stable at 2-8 °C up to the expiry date given on the label

10.3. Possibility of hazardous reactions Risk of explosion and/or toxic gas formation with the following substances no information available

Violent reactions possible with:

No degradation when using according to the specification

10.4. Conditions to avoid Heat, direct sunlight

10.5. Incompatible materials Heavy metal salts, peroxidases, catalses

10.6. Hazardous decomposition products Endproduct of the decomposition is the yellow diammonia ion of tetramethylbenzidine, which is classified as non dangerous.

11. Toxicological information

11.1. Information on toxicological effects Component Type Value Species 3,3',5,5'-Tetramethylbenzidine no information available Ethylendiamintetraacetic-di-sodium-salt LD₅₀ (oral) 2000 mg/kg Rat 5-Chlor-2-methyl-4-isothiazolin-3-on LD₅₀ (oral) 3350 mg/kg Rat 2-Methyl-4-isothiazolin-3-on LD₅₀ (oral) 550 mg/kg Rat 1232 mg/kg Hydrogenperoxyd LD₅₀ (oral) Rat LD₅₀ (dermal) 3000 mg/kg Rabbit

Skin irritation Slight irritation

Eye irritation Slight irritation

CMR effects No information available

Specific target organ toxicity No information available

Aspiration hazard No information available

11.2. Further information Quantative data on toxicity of the mixture are not available

12. Ecological information

12.1. Toxicity

Only relevant for the preservatives 5-Chlor-2-methyl-4-isothiazolin-3-on und 2-Methyl-4-isothiazolin-3-on.

| Species | Туре | Value | Exposition time (h) | |
|---|-------------------------|----------|---------------------|--|
| Trout | LC ₅₀ (mg/l) | 0,19 | | |
| Perch | LC ₅₀ (mg/l) | 0,28 | | |
| Algae (Skeletonema costatum) | EC ₅₀ (mg/l) | 0,003 | | |
| Algae (Selenastrum capricornutum) | EC ₅₀ (mg/l) | 0,018 | | |
| Invertebrate (Daphnia magna) | EC ₅₀ (mg/l) | 0,16 | | |
| | | | | |
| 12.2. Persistence and degradability | | | | |
| Substance | t1/2 anaerob (| h) | | |
| 5-Chlor-2-methyl-4-isothiazolin-3-on | 4,8 | <u> </u> | | |
| 2-Methyl-4-isothiazolin-3-on | 9,1 | | | |
| , | , | | | |
| 12.3. Bioaccumulative potencial | | | | |
| No information available | | | | |
| | | | | |
| 12.4. Mobility in soil | | | | |
| No information available | | | | |
| | | | | |
| 12.5. Results of PBT- and vPvB-assessmen | t | | | |
| A PBT- and vPvB-assessment is not available, as a chemical safety assassment is not | | | | |
| required/not conducted. | | | | |
| - 1 | | | | |
| 12.5. Other adverse effects | | | | |
| No other effects are known | | | | |
| When using according the instruction ecological danger is not expected | | | | |
| | ical daligor lo rio | | | |
| | | | | |

13. Disposal consideration

Leftovers should be disposed concerning to the regulation 2008/98/EC and/or national and regional regulations.

Uncontaminated packing can be treated as normal waste or conduct into the recycling process.

14. Transport information

Not supposed to the transport regulation

ADR/RID

ΙΑΤΑ

IMDG

15. Regulatory information

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

This safety data sheet complies with the requirements of the regulation (EC) No. 1907/2006

15.2. Chemical safety assessment

For this product a chemical safety assessment was not carried out

16. Other information

| Text of H-codes me H301 | entioned in section 2 Toxic if swallowed |
|----------------------------|---|
| H302 | Harmful when swallowed |
| H311 | Toxic in contact with skin |
| H314 | Causes severe skin burns and eye damage |
| H315 | Cause skin irritation |
| H317 | May cause an allergic skin reaction |
| H318 | Causes serious eye damage |
| H319 | Causes serious eye irritation |
| H331 | Toxic if inhaled |
| H335 | May cause respiratory irritation |
| H410 | Toxic to aquatic life with long lasting effects |
| Precautionary state | ements |
| P280 | Wear protective gloves, protective clothing, eye protection |
| P302+P352 | If on skin: Wash with plenty of soap and water |
| P305+P351+P338 | If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rising. |
| P310 | Immediately call a POISON CENTER or doctor/physician |

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



Rev.date: 12.08.2011 replaces version from

 1. Identification of the substance/preparation and the company/undertaking

 1.1. Product identifier

 Catalogue no.:
 IC6300sp

 Product name:
 anti-Gliadin sIgA / IgA ELISA Stop solution (STOPP)

1.2. Relevant identified uses of the substance or mixture and uses advised against Materials for use in the appropriate testkit.

www.immuchrom.de

1.3. Details of the supplier of the safety data sheet Company: ImmuChrom GmbH Donnersbergstr. 1 64646 Heppenheim Tel.: +49 6252 910084 Fax: +49 6252 910070 Email: info@immuchrom.de

1.4. Emergency telephone number Available during the normal working hours +49 6252 910084

 Hazards identification
 Classification of the substance or mixture (Regulation (EC) No 1272/2008 Irritant

2.2. Label elements (Regulation (EC) No 1272/2008 Hazard pictograms (reduced labeling <125 ml)



Signal word Warning

Hazard statements H290 H314

Precautionary statements P280 P302 + P352 P305 + P351 + P338 P310

3. Composition/information on ingredients

The mixture contains the substances listed below and substances without dangerous potential.

| CAS-No. | EINECS | Description | Percent | H-codes |
|-----------|-----------|---------------|---------|------------|
| 7664-93-9 | 231-639-5 | Sulfuric acid | <15 | H290, H314 |

4. First aid measures

4.1. Description of first aid measures

General advice: First aider needs to protect himself. **After inhalation:** Fresh air, in case of discomfort consult a physician.

After skin contact: Wash with plenty of water, remove contaminated clothing, in case of discomfort consult a physician.

After eye contact: Rinse out with plenty of water. Immediately contact a ophthalmologist.

If swallowed : Give water to drink (two glases at most). Immediately contact a physician.

4.2. Most important symptoms and effects, both acute and delayed Irritation and corrosion, circulatory colapse.

4.3. Indication of immediate medical attention and special treatment needed No information available

5. Fire fighting measures

5.1. Extinguishing media Suitable extinguishing media: Water, foam, carbon dioxyde (CO₂)

Unsuitable extinguishing media: none

5.2. Special hazards arising from the substance ort he mixture Not combustible Ambient fire may cause hazardous gases

5.3. Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation, observe emergency procedures, call an expert.

6.2. Environmental precaution Do not empty into drains

6.3. Methods and materials for containment and cleaning up Cover drains. Collect, bind and pump off spills.

6.4. Reference to other sections For waste treatment refer to section 13

7. Handling and storage

7.1 Precaution for safe handling Wear disposable gloves while handling specimens or kit reagents and wash hands thoroughly afterwards.

7.2. Conditions for safe storage, including any incompatibilities

Keep tightly closed.

Store at +2 - +8 °C.

7.3. Specific end uses

Apart from the use mentioned in section 1.2. no other specific uses are stipulated

8. Exposure controls/personal protection

8.1. Control parameters

| CAS-No. | Description |
|-----------|---------------|
| 7664-93-9 | Sulfuric acid |

MAK (TRGS 900) 0,1 mg/m³

8.2. Exposure controls

Technical measures to reduce safety risk for the operator should be given priority over the use of personal protective equipment.

Individual protection measures

Hygiene measures: Wear disposable gloves while handling specimens or kit reagents and wash hands thoroughly afterwards. Do not eat, drink, smoke or apply makeup in areas where specimens or kit reagents are handled.

Eye protection: Wear safety glasses.

Hand protection: wear safety gloves The gloves must comply with the specifications of the directive EC 89/686/EEC and the related standard EN374.

Respiratory protection: Not necessary

Environmental exposure control: Do not empty into drains

9. Physical and chemical properties

liquid colourless odourless approx. 1 no information available 101 °C no information available no information available not applicable no information available no information available no information available 1,066 g/cm³ complete no information available no information available no information available no information available not explosive oxidising potential none

10. Stability and reactivity

10.1. Reactivity has a corrosive effect Oxidising agents 10.2. Chemical stability The mixture is stable at 2-8 °C up to the expiry date given on the label

10.3. Possibility of hazardous reactions Risk of explosion and/or toxic gas formation with the following substances no information available

Violent reactions possible with: Water, alkali metals, alkali compounds, ammonia, alkalines, metals, alkaline earth metals, alkaline earth compounds, metal alloys, acids No degradation when using according to the specification

10.4. Conditions to avoid no information available

10.5. Incompatible materials Tissue, metals, release of hydrogen by rection with metals

10.6. Hazardous decomposition products in case of fire: refer to section 5

11. Toxicological information

| | 11.1. Information on toxicological effects Component Sulfuric acid | Type LD ₅₀ (oral) | | Value 510 mg/kg | Species Rat | |
|----|---|--|-------|---------------------------|-----------------------|--|
| | Skin irritation Irritation | | | | | |
| | Eye irritation Serious irritation | | | | | |
| | Genotoxicity Ames test negative | | | | | |
| | Specific target organ toxicity No information available | | | | | |
| | Aspiration hazard Based on available data the classification c | riteria are not met | | | | |
| | 11.2. Further information Quantative data on toxicity of the mixture are not available | | | | | |
| 12 | . Ecological information | | | | | |
| | 12.1. Toxicity | | | | | |
| | Species | Туре | Value | | <u>me (h)</u> | |
| | Invertebrate (Daphnia magna) | EC ₅₀ (mg/l) | 29 | 24 | | |
| | 12.2. Persistence and degradability no information available | | | | | |

12.3. Bioaccumulative potencial No information available

12.4. Mobility in soil

No information available

12.5. Results of PBT- and vPvB-assessment A PBT- and vPvB-assessment is not available, as a chemical safety assassment is not required/not conducted.

12.5. Other adverse effectsHarmful effect due to pH shiftDanger for drinking waterDo not allow to run into surface water, wastewater or soil.

13. Disposal consideration

Leftovers should be disposed concerning to the regulation 2008/98/EC and/or national and regional regulations.

Uncontaminated packing can be treated as normal waste or conduct into the recycling process.

14. Transport information

Not supposed to the transport regulation

| ADR/RID | UN 2796 sulfuric acid, 8, II |
|---------|---|
| ΙΑΤΑ | UN 2796 SULPHURIC ACID, 8, II, Segregation Group: 1 (Acids) |
| IMDG | UN 2796 SULPHURIC ACID, 8, II |

15. Regulatory information

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

This safety data sheet complies with the requirements of the regulation (EC) No. 1907/2006

15.2. Chemical safety assessment For this product a chemical safety assessment was not carried out

16. Other information

| Text of H-codes me H290 H314 | entioned in section 2 May be corrosive to metals Causes severe skin burns and eye damage |
|------------------------------------|---|
| Precautionary state | ements |
| P280 | Wear protective gloves, protective clothing, eye protection |
| P302+P352 | If on skin: Wash with plenty of soap and water |
| P305+P351+P338 | If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rising. |
| P310 | Immediately call a POISON CENTER or doctor/physician |

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



Rev.date: 27.11.2015 replaces version from 08.03.2011

| 1. | 1. Identification of the substance/preparation and the company/undertaking | | | | |
|----|--|--|--|--|--|
| | 1.1. Product identifier | | | | |
| | Catalogue no.: | IC6300kg | | | |
| | Product name: | anti-Gliadin sIgA / IgA ELISA Conjugate (CONJ) | | | |

1.2. Relevant identified uses of the substance or mixture and uses advised against Materials for use in the appropriate testkit.

1.3. Details of the supplier of the safety data sheet Company: ImmuChrom GmbH Donnersbergstr. 1 64646 Heppenheim Tel.: +49 6252 910084 Fax: +49 6252 910070 Email: info@immuchrom.de www.immuchrom.de

1.4. Emergency telephone number Available during the normal working hours +49 6252 910084

Hazards identification
 Classification of the substance or mixture (Regulation (EC) No 1272/2008)

none 2.2. Label elements (Regulation (EC) No 1272/2008

Hazard pictograms

Signal word

Hazard statements

Precautionary statements P280 P302 + P352 P305 + P351 + P338 P310

3. Composition/information on ingredients

The mixture contains the substances listed below and substances without dangerous potential.

4. First aid measures

4.1. Description of first aid measuresGeneral advice: First aider needs to protect himself.After inhalation: Fresh air, in case of discomfort consult a physician.

After skin contact: Wash with plenty of water, remove contaminated clothing, in case of discomfort consult a physician.

After eye contact: Rinse out with plenty of water. Immediately contact a ophthalmologist.

If swallowed : Give water to drink (two glases at most). Immediately contact a physician.

4.2. Most important symptoms and effects, both acute and delayed No information available

4.3. Indication of immediate medical attention and special treatment needed No information available

5. Fire fighting measures

5.1. Extinguishing media Suitable extinguishing media: Water, foam, carbon dioxyde (CO₂)

Unsuitable extinguishing media: none

5.2. Special hazards arising from the substance ort he mixture Ambient fire may cause evolution of nitrous gases

5.3. Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation, observe emergency procedures, call an expert.

6.2. Environmental precaution Do not empty into drains

6.3. Methods and materials for containment and cleaning up Cover drains. Collect, bind and pump off spills.

6.4. Reference to other sections For waste treatment refer to section 13

7. Handling and storage

7.1 Precaution for safe handling Wear disposable gloves while handling specimens or kit reagents and wash hands thoroughly afterwards.

7.2. Conditions for safe storage, including any incompatibilities

Keep tightly closed.

Store at +2 - +8 °C.

7.3. Specific end uses Apart from the use mentioned in section 1.2. no other specific uses are stipulated

- 8. Exposure controls/personal protection
 - 8.1. Control parameters

| CAS-No. | Description | MA |
|------------|--------------------------------------|------|
| 26172-55-4 | 5-Chlor-2-methyl-4-isothiazolin-3-on | 0,05 |
| 2682-20-4 | 2-Methyl-4-isothiazolin-3-on | 0,05 |
| 54-64-8 | Thimerosal (Hg containing) | 0,02 |

MAK (TRGS 900) 0,05 mg/m³ 0,05 mg/m³ 0,02 mg/m³

8.2. Exposure controls

Technical measures to reduce safety risk for the operator should be given priority over the use of personal protective equipment.

Individual protection measures

Hygiene measures: Wear disposable gloves while handling specimens or kit reagents and wash hands thoroughly afterwards. Do not eat, drink, smoke or apply makeup in areas where specimens or kit reagents are handled.

Eye protection: Wear safety glasses.

Hand protection: wear safety gloves The gloves must comply with the specifications of the directive EC 89/686/EEC and the related standard EN374.

Respiratory protection: Not necessary

Environmental exposure control: Do not empty into drains

9. Physical and chemical properties

| Lower explosion limitnot exposiveHigher explosion limitnot explosiveVapour pressureno information availableRelative density1,06 g/mlWater solubilitycompletePartition coefficient: n-oktanol/waterno information availableAutoignition temperatureno information availableDecomposition temperatureno information availableViscosity, dynamicno information availableExplosive propertiesnot explosiveOxidizing propertiesno information available | e on available on available on available on available on available |
|--|---|
| Other data none | |

10. Stability and reactivity

10.1. Reactivity no information available

10.2. Chemical stability

Temperature sensitive. The mixture is stable at 2-8 °C up to the expiry date given on the label

10.3. Possibility of hazardous reactions Risk of explosion and/or toxic gas formation with the following substances no information available

Violent reactions possible with:

No degradation when using according to the specification

10.4. Conditions to avoid Heat, direct sunlight

10.5. Incompatible materials Heavy metal salts, peroxidases, catalses

10.6. Hazardous decomposition products No information available.

11. Toxicological information

| 11.1. Information on toxicological effects Component 5-Chlor-2-methyl-4-isothiazolin-3-on 2-Methyl-4-isothiazolin-3-on Thimerosal | Type LD ₅₀ (oral) LD ₅₀ (oral) LD ₅₀ (oral) | Value 3350 mg/kg 550 mg/kg 75 mg/kg | Species Rat Rat Rat |
|---|--|---|-------------------------------------|
| Skin irritation Slight irritation | | | |
| Eve irritation | | | |

Eye irritation Slight irritation

CMR effects No information available

Specific target organ toxicity No information available

Aspiration hazard No information available

11.2. Further information Quantative data on toxicity of the mixture are not available

12. Ecological information

12.1. Toxicity Only relevant for the preservatives 5-Chlor-2-methyl-4-isothiazolin-3-on und 2-Methyl-4isothiazolin-3-on. Species Value Exposition time (h) Type Trout LC₅₀ (mg/l) 0,19 0,28 Perch LC₅₀ (mg/l) Algae (Skeletonema costatum) EC_{50} (mg/l) 0,003 Algae (Selenastrum capricornutum) EC₅₀ (mg/l) 0,018 Invertebrate (Daphnia magna) EC₅₀ (mg/l) 0,16 Only relevant for the preservative Thimerosal. Species Value Exposition time (h) Type Catfish LC₅₀ (mg/l) 7,5 24

| 12.2. Persistence and degradability | |
|--------------------------------------|--------------------------|
| Substance | t1/2 anaerob (h) |
| 5-Chlor-2-methyl-4-isothiazolin-3-on | 4,8 |
| 2-Methyl-4-isothiazolin-3-on | 9,1 |
| Thimerosal | no information available |
| 12.3. Bioaccumulative potencial | |
| Substance | Log Pow |
| Thimerosal | -1,88 |
| | |

Bioaccumulation is not expected because log Pow < 1

No information available for 5-Chlor-2-methyl-4-isothiazolin-3-on und 2-Methyl-4-isothiazolin-3-on.

12.4. Mobility in soil No information available

12.5. Results of PBT- and vPvB-assessment A PBT- and vPvB-assessment is not available, as a chemical safety assassment is not required/not conducted.

12.5. Other adverse effectsNo other effects are knownWhen using according the instruction ecological danger is not expected

13. Disposal consideration

Leftovers should be disposed concerning to the regulation 2008/98/EC and/or national and regional regulations.

Uncontaminated packing can be treated as normal waste or conduct into the recycling process.

14. Transport information

Not supposed to the transport regulation

ADR/RID

ΙΑΤΑ

IMDG

15. Regulatory information

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

This safety data sheet complies with the requirements of the regulation (EC) No. 1907/2006

15.2. Chemical safety assessment For this product a chemical safety assessment was not carried out

16. Other information

Text of H-codes mentioned in section 2H300Fatal when swallowedH301Toxic if swallowedH310Fatal when skin contact

| H311 H314 H317 H330 | Toxic in contact with skin Causes severe skin burns and eye damage May cause an allergic skin reaction Fatal if inhaled |
|------------------------------|--|
| H331 | Toxic if inhaled |
| H373 H400 | May cause damage to organs through prolonged or repeated exposure Very toxic to aquatic life |
| H410 | Very toxic to aquatic life with long lasting effects |
| Precautionary state | ements |
| P280 | Wear protective gloves, protective clothing, eye protection |
| P302+P352 | If on skin: Wash with plenty of soap and water |
| P305+P351+P338 | If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rising. |
| P310 | Immediately call a POISON CENTER or doctor/physician |

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



Safety data sheet According to regulation (EC) No. 1907/2006

Rev.date: 10.05.2019 replaces version from 27.11.2015

Identification of the substance/preparation and the company/undertaking
 1.1. Product identifier
 Catalogue no.:
 IC6300sb
 Product name:
 Samplebuffer (SAMPLEBUF)

anti gliadin / anti transglutaminase

1.2. Relevant identified uses of the substance or mixture and uses advised against Materials for use in the appropriate testkit.

1.3. Details of the supplier of the safety data sheet Company: ImmuChrom GmbH Lise-Meitner-Str. 13 64646 Heppenheim Tel.: +49 6252 910084 Fax: +49 6252 910070 Email: <u>info@immuchrom.de</u> www.immuchrom.de

1.4. Emergency telephone number Available during the normal working hours +49 6252 910084

Hazards identification
 Classification of the mixture (Regulation (EC) No 1272/2008 none

2.2. Label elements (Regulation (EC) No 1272/2008 Hazard pictograms

Signal word

Hazard statements

Precautionary statements P280 P302 + P352 P305 + P351 + P338 P310

3. Composition/information on ingredients

The mixture contains the substances listed below and substances without dangerous potential.

| CAS-No. | EINECS | Description | Percent | H-codes of pure substance |
|---------|-----------|-------------|---------|------------------------------|
| 54-64-8 | 200-210-4 | Thimerosal | 0,02 | 300, 310, 330, 373, 400, 410 |

4. First aid measures

4.1. Description of first aid measuresGeneral advice: First aider needs to protect himself.After inhalation: Fresh air, in case of discomfort consult a physician.

After skin contact: Wash with plenty of water, remove contaminated clothing, in case of discomfort consult a physician.

After eye contact: Rinse out with plenty of water. Immediately contact a ophthalmologist.

If swallowed : Give water to drink (two glases at most). Immediately contact a physician.

4.2. Most important symptoms and effects, both acute and delayed No information available

4.3. Indication of immediate medical attention and special treatment needed No information available

5. Fire fighting measures

5.1. Extinguishing media Suitable extinguishing media: Water, foam, carbon dioxyde (CO₂)

Unsuitable extinguishing media: none

5.2. Special hazards arising from the substance ort he mixture Ambient fire may cause evolution of nitrous gases

5.3. Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation, observe temergency procedures, call an expert.

6.2. Environmental precaution Do not empty into drains

6.3. Methods and materials for containment and cleaning up Cover drains. Collect, bind and pump off spills.

6.4. Reference to other sections For waste treatment refer to section 13

7. Handling and storage

7.1 Precaution for safe handling Wear disposable gloves while handling specimens or kit reagents and wash hands thoroughly afterwards.

7.2. Conditions for safe storage, including any incompatibilities

Keep tightly closed.

Store at +2 - +8 °C.

7.3. Specific end uses Apart from the use mentioned in section 1.2. no other specific uses are stipulated

8. Exposure controls/personal protection

8.1. Control parameters

| CAS-No. | Description |
|---------|----------------------------|
| 54-64-8 | Thimerosal (Hg containing) |

MAK (TRGS 900) 0.02 mg/m³

8.2. Exposure controls

Technical measures to reduce safety risk for the operator should be given priority over the use of personal protective equipment.

Individual protection measures

Hygiene measures: Wear disposable gloves while handling specimens or kit reagents and wash hands thoroughly afterwards. Do not eat, drink, smoke or apply makeup in areas where specimens or kit reagents are handled.

Eye protection: Wear safety glasses.

Hand protection: wear safety gloves The gloves must comply with the specifications of the directive EC 89/686/EEC and the related standard EN374.

Respiratory protection: Not necessary

Environmental exposure control: Do not empty into drains

9. Physical and chemical properties

| Form Colour Odour pH-Value Melting point Boiling point Flash point Evaporation rate Flammability (solid, gas) Lower explosion limit Higher explosion limit Vapour pressure Relative density Water solubility Partition coefficient: n-oktanol/water Autoignition temperature Decomposition temperature | liquid colourless odourless 7,6 no information available 100 °C no information available no information available not exposive not explosive no information available 1,06 complete no information available no information available no information available |
|--|---|
| Water solubility | complete |
| Partition coefficient: n-oktanol/water | no information available |
| Autoignition temperature | no information available |
| Viscosity, dynamic | no information available |
| Explosive properties | not explosive |
| Oxidizing properties | no information available |
| Other data | none |

10. Stability and reactivity

10.1. Reactivity no information available

10.2. Chemical stability Temperature sensitive. The mixture is stable at 2-8 °C up to the expiry date given on the label

10.3. Possibility of hazardous reactions Risk of explosion and/or toxic gas formation with the following substances no information available

Violent reactions possible with:

No degradation when using according to the specification

10.4. Conditions to avoid Heat, direct sunlight

10.5. Incompatible materials no information available

10.6. Hazardous decomposition products no information available

11. Toxicological information

| | Type LD ₅₀ (oral) | | Value 75 mg/kg | Species Rat |
|---|--|--------------|--------------------------|-----------------------|
| Skin irritation Slight irritation | | | | |
| Eye irritation Slight irritation | | | | |
| CMR effects No information available | | | | |
| Specific target organ toxicity No information available | | | | |
| Aspiration hazard No information available | | | | |
| | | | | |
| 11.2. Further information Quantative data on toxicity of the mixture are | not available | | | |
| | not available | | | |
| Quantative data on toxicity of the mixture are Ecological information 12.1. Toxicity Only relevant for the preservative Thimerosal | | | | |
| Quantative data on toxicity of the mixture are Ecological information 12.1. Toxicity Only relevant for the preservative Thimerosal Species | I. Type | Value | | <u>n time (h)</u> |
| Quantative data on toxicity of the mixture are Ecological information 12.1. Toxicity Only relevant for the preservative Thimerosal | I. | Value 7,5 | Exposition 24 | <u>n time (h)</u> |
| Quantative data on toxicity of the mixture are Ecological information 12.1. Toxicity Only relevant for the preservative Thimerosal Species | I. <u>Type</u> LC₅₀ (mg/l) | 7,5 | | <u>n time (h)</u> |
| Quantative data on toxicity of the mixture are Ecological information 12.1. Toxicity Only relevant for the preservative Thimerosal Species Catfish 12.2. Persistence and degradability Substance | I. <u>Type</u> LC₅₀ (mg/l) t1/2 anaerob (l | 7,5 1) | 24 | <u>n time (h)</u> |
| Quantative data on toxicity of the mixture are Ecological information 12.1. Toxicity Only relevant for the preservative Thimerosal Species Catfish 12.2. Persistence and degradability | I. <u>Type</u> LC₅₀ (mg/l) | 7,5 1) | 24 | <u>n time (h)</u> |
| Quantative data on toxicity of the mixture are Ecological information 12.1. Toxicity Only relevant for the preservative Thimerosal Species Catfish 12.2. Persistence and degradability Substance | I. <u>Type</u> LC₅₀ (mg/l) t1/2 anaerob (l | 7,5 1) | 24 | <u>n time (h)</u> |
| Quantative data on toxicity of the mixture are Ecological information 12.1. Toxicity Only relevant for the preservative Thimerosal Species Catfish 12.2. Persistence and degradability <u>Substance</u> Thimerosal 12.3. Bioaccumulative potencial No information available | I. <u>Type</u> LC₅₀ (mg/l) <u>t1/2 anaerob (l</u> no information | 7,5 1) | 24 | <u>n time (h)</u> |
| Quantative data on toxicity of the mixture are . Ecological information 12.1. Toxicity Only relevant for the preservative Thimerosal <u>Species</u> Catfish 12.2. Persistence and degradability <u>Substance</u> Thimerosal 12.3. Bioaccumulative potencial | I. <u>Type</u> LC₅₀ (mg/l) t1/2 anaerob (l | 7,5 1) | 24 | <u>n time (h)</u> |

No information available

12.5. Results of PBT- and vPvB-assessment

A PBT- and vPvB-assessment is not available, as a chemical safety assassment is not required/not conducted.

12.5. Other adverse effects When using according the instruction ecological danger is not expected Danger for drinking water Do not allow to run into surface water, wastewater or soil.

13. Disposal consideration

Leftovers should be disposed concerning to the regulation 2008/98/EC and/or national and regional regulations.

Uncontaminated packing can be treated as normal waste or conduct into the recycling process.

14. Transport information

Not supposed to the transport regulation

ADR/RID

ΙΑΤΑ

IMDG

15. Regulatory information

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

This safety data sheet complies with the requirements of the regulation (EC) No. 1907/2006

15.2. Chemical safety assessment For this product a chemical safety assessment was not carried out

16. Other information

| Text of H-codes me | entioned in section 2 |
|---------------------|---|
| H300 | Fatal when swallowed |
| H310 | Fatal when skin contact |
| H330 | Fatal if inhaled |
| 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 |
| | |
| | |
| Precautionary state | ements |
| P280 | Wear protective gloves, protective clothing, eye protection |
| P302+P352 | If on skin: Wash with plenty of soap and water |
| P305+P351+P338 | If in eyes: Rinse cautiously with water for several minutes. Remove contact |
| | lenses, if present and easy to do. Continue rising. |
| P310 | Immediately call a POISON CENTER or doctor/physician |

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



Rev.date: 10.05.2019 replaces version from 27.11.2015

| 1. | Identification of the substance | /preparation and the company/undertaking |
|----|---------------------------------|---|
| | 1.1. Product identifier | |
| | Catalogue no.: | IC6300st |
| | Product name: | anti-Gliadin sIgA / IgA ELISA Standards (STD) |

1.2. Relevant identified uses of the substance or mixture and uses advised against Materials for use in the appropriate testkit.

1.3. Details of the supplier of the safety data sheet Company: ImmuChrom GmbH Lise-Meitner-Str. 13 64646 Heppenheim Tel.: +49 6252 910084 Fax: +49 6252 910070 Email: info@immuchrom.de www.immuchrom.de

1.4. Emergency telephone number Available during the normal working hours +49 6252 910084

Hazards identification
 2.1. Classification of the mixture (Regulation (EC) No 1272/2008 none

2.2. Label elements (Regulation (EC) No 1272/2008 Hazard pictograms

Signal word

Hazard statements

Precautionary statements P280 P302 + P352 P305 + P351 + P338 P310

3. Composition/information on ingredients

The mixture contains the substances listed below and substances without dangerous potential.

| CAS-No. | EINECS | Description | Percent | H-codes of pure substance |
|---------|-----------|-------------|---------|------------------------------|
| 54-64-8 | 200-210-4 | Thimerosal | 0,02 | 300, 310, 330, 373, 400, 410 |

4. First aid measures

4.1. Description of first aid measuresGeneral advice: First aider needs to protect himself.After inhalation: Fresh air, in case of discomfort consult a physician.

After skin contact: Wash with plenty of water, remove contaminated clothing, in case of discomfort consult a physician.

After eye contact: Rinse out with plenty of water. Immediately contact a ophthalmologist.

If swallowed : Give water to drink (two glases at most). Immediately contact a physician.

4.2. Most important symptoms and effects, both acute and delayed No information available

4.3. Indication of immediate medical attention and special treatment needed No information available

5. Fire fighting measures

5.1. Extinguishing media Suitable extinguishing media: Water, foam, carbon dioxyde (CO₂)

Unsuitable extinguishing media: none

5.2. Special hazards arising from the substance ort he mixture Ambient fire may cause evolution of nitrous gases

5.3. Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation, observe temergency procedures, call an expert.

6.2. Environmental precaution Do not empty into drains

6.3. Methods and materials for containment and cleaning up Cover drains. Collect, bind and pump off spills.

6.4. Reference to other sections For waste treatment refer to section 13

7. Handling and storage

7.1 Precaution for safe handling Wear disposable gloves while handling specimens or kit reagents and wash hands thoroughly afterwards.

7.2. Conditions for safe storage, including any incompatibilities

Keep tightly closed.

Store at +2 - +8 °C.

7.3. Specific end uses Apart from the use mentioned in section 1.2. no other specific uses are stipulated

- 8. Exposure controls/personal protection
 - 8.1. Control parameters

| CAS-No. | Description |
|---------|----------------------------|
| 54-64-8 | Thimerosal (Hg containing) |

MAK (TRGS 900) 0.02 mg/m³

8.2. Exposure controls

Technical measures to reduce safety risk for the operator should be given priority over the use of personal protective equipment.

Individual protection measures

Hygiene measures: Wear disposable gloves while handling specimens or kit reagents and wash hands thoroughly afterwards. Do not eat, drink, smoke or apply makeup in areas where specimens or kit reagents are handled.

Eye protection: Wear safety glasses.

Hand protection: wear safety gloves The gloves must comply with the specifications of the directive EC 89/686/EEC and the related standard EN374.

Respiratory protection: Not necessary

Environmental exposure control: Do not empty into drains

9. Physical and chemical properties

| Form Colour Odour pH-Value Melting point Boiling point Flash point Evaporation rate Flammability (solid, gas) Lower explosion limit Higher explosion limit Vapour pressure Relative density Water solubility Partition coefficient: n-oktanol/water Autoignition temperature Decomposition temperature Viscosity, dynamic Explosive properties Oxidizing properties | liquid colourless odourless 7,2 no information available 100 °C no information available no information available no information available not explosive no information available 1,06 complete no information available no information available |
|--|---|
| Oxidizing properties Other data | no information available none |

10. Stability and reactivity

10.1. Reactivity no information available

10.2. Chemical stability

Temperature sensitive. The mixture is stable at 2-8 °C up to the expiry date given on the label

10.3. Possibility of hazardous reactions Risk of explosion and/or toxic gas formation with the following substances no information available

Violent reactions possible with:

No degradation when using according to the specification

10.4. Conditions to avoid Heat, direct sunlight

10.5. Incompatible materials no information available

10.6. Hazardous decomposition products no information available

11. Toxicological information

| | 11.1. Information on toxicological effects Component Thimerosal | Type LD ₅₀ (oral) | | /alue 75 mg/kg | Species Rat |
|-----|--|--|-----------|--------------------------|-----------------------|
| | Skin irritation Slight irritation | | | | |
| | Eye irritation Slight irritation | | | | |
| | CMR effects No information available | | | | |
| | Specific target organ toxicity No information available | | | | |
| | Aspiration hazard No information available | | | | |
| | 11.2. Further information Quantative data on toxicity of the mixture ar | e not available | | | |
| 12. | Ecological information | | | | |
| | 12.1. Toxicity Only relevant for the preservative Thimeros | al. | | | |
| | Species | Туре | Value | Exposition t | <u>ime (h)</u> |
| | Catfish | LC ₅₀ (mg/l) | 7,5 | 24 | |
| | 12.2. Persistence and degradability Substance | t1/2 anaerob (I | | | |
| | Thimerosal | no information | available | e | |
| | 12.3. Bioaccumulative potencial No information available | | | | |
| | Substance | Log Pow | | | |
| | Thimerosal | -1,88 | | | |
| | Bioaccumulation is not expected because lo | $P_{OW} < 1$ | | | |

Bioaccumulation is not expected because log Pow < 1

12.4. Mobility in soil No information available

12.5. Results of PBT- and vPvB-assessment A PBT- and vPvB-assessment is not available, as a chemical safety assassment is not required/not conducted.

12.5. Other adverse effects When using according the instruction ecological danger is not expected Danger for drinking water Do not allow to run into surface water, wastewater or soil.

13. Disposal consideration

Leftovers should be disposed concerning to the regulation 2008/98/EC and/or national and regional regulations.

Uncontaminated packing can be treated as normal waste or conduct into the recycling process.

14. Transport information

Not supposed to the transport regulation

ADR/RID

ΙΑΤΑ

IMDG

15. Regulatory information

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

This safety data sheet complies with the requirements of the regulation (EC) No. 1907/2006

15.2. Chemical safety assessment For this product a chemical safety assessment was not carried out

16. Other information

| Text of H-codes me | entioned in section 2 |
|---------------------|---|
| H300 | Fatal when swallowed |
| H310 | Fatal when skin contact |
| H330 | Fatal if inhaled |
| 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 |
| Precautionary state | ements |
| P280 | Wear protective gloves, protective clothing, eye protection |
| P302+P352 | If on skin: Wash with plenty of soap and water |
| P305+P351+P338 | If in eyes: Rinse cautiously with water for several minutes. Remove contact |
| | lenses, if present and easy to do. Continue rising. |
| P310 | Immediately call a POISON CENTER or doctor/physician |
| | |

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



Rev.date: 10.05.2019 replaces version from 12.18.2011

Identification of the substance/preparation and the company/undertaking
 1.1. Product identifier
 Catalogue no.:
 IC6300sp
 Product name:
 IC6300sp
 Anti-Gliadin sIgA / IgA ELISA Stop solution (STOPP)

1.2. Relevant identified uses of the substance or mixture and uses advised against Materials for use in the appropriate testkit.

www.immuchrom.de

1.3. Details of the supplier of the safety data sheet Company: ImmuChrom GmbH Lise-Meitner-Str. 13 64646 Heppenheim Tel.: +49 6252 910084 Fax: +49 6252 910070 Email: info@immuchrom.de

1.4. Emergency telephone number Available during the normal working hours +49 6252 910084

 Hazards identification
 Classification of the substance or mixture (Regulation (EC) No 1272/2008 Irritant

2.2. Label elements (Regulation (EC) No 1272/2008 Hazard pictograms (reduced labeling <125 ml)



Signal word Warning

Hazard statements H290 H314

Precautionary statements P280 P302 + P352 P305 + P351 + P338 P310

3. Composition/information on ingredients

The mixture contains the substances listed below and substances without dangerous potential.

| CAS-No. | EINECS | Description | Percent | H-codes |
|-----------|-----------|---------------|---------|------------|
| 7664-93-9 | 231-639-5 | Sulfuric acid | <15 | H290, H314 |

4. First aid measures

4.1. Description of first aid measures

General advice: First aider needs to protect himself. **After inhalation:** Fresh air, in case of discomfort consult a physician.

After skin contact: Wash with plenty of water, remove contaminated clothing, in case of discomfort consult a physician.

After eye contact: Rinse out with plenty of water. Immediately contact a ophthalmologist.

If swallowed : Give water to drink (two glases at most). Immediately contact a physician.

4.2. Most important symptoms and effects, both acute and delayed Irritation and corrosion, circulatory colapse.

4.3. Indication of immediate medical attention and special treatment needed No information available

5. Fire fighting measures

5.1. Extinguishing media Suitable extinguishing media: Water, foam, carbon dioxyde (CO₂)

Unsuitable extinguishing media: none

5.2. Special hazards arising from the substance ort he mixture Not combustible Ambient fire may cause hazardous gases

5.3. Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation, observe emergency procedures, call an expert.

6.2. Environmental precaution Do not empty into drains

6.3. Methods and materials for containment and cleaning up Cover drains. Collect, bind and pump off spills.

6.4. Reference to other sections For waste treatment refer to section 13

7. Handling and storage

7.1 Precaution for safe handling Wear disposable gloves while handling specimens or kit reagents and wash hands thoroughly afterwards.

7.2. Conditions for safe storage, including any incompatibilities

Keep tightly closed.

Store at +2 - +8 °C.

7.3. Specific end uses

Apart from the use mentioned in section 1.2. no other specific uses are stipulated

8. Exposure controls/personal protection

8.1. Control parameters

| CAS-No. | Description |
|-----------|---------------|
| 7664-93-9 | Sulfuric acid |

MAK (TRGS 900) 0,1 mg/m³

8.2. Exposure controls

Technical measures to reduce safety risk for the operator should be given priority over the use of personal protective equipment.

Individual protection measures

Hygiene measures: Wear disposable gloves while handling specimens or kit reagents and wash hands thoroughly afterwards. Do not eat, drink, smoke or apply makeup in areas where specimens or kit reagents are handled.

Eye protection: Wear safety glasses.

Hand protection: wear safety gloves The gloves must comply with the specifications of the directive EC 89/686/EEC and the related standard EN374.

Respiratory protection: Not necessary

Environmental exposure control: Do not empty into drains

9. Physical and chemical properties

| Form Colour Odour pH-Value Melting point Boiling point Flash point Evaporation rate Flammability (solid, gas) Lower explosion limit Higher explosion limit Vapour pressure Relative density Water solubility Partition coefficient: n-oktanol/water Autoignition temperature Decomposition temperature Viscosity, dynamic Explosive properties Oxidizing properties |
|--|
| Viscosity, dynamic |

liquid colourless odourless approx. 1 no information available 101 °C no information available no information available not applicable no information available no information available no information available 1,066 g/cm³ complete no information available no information available no information available no information available not explosive oxidising potential none

10. Stability and reactivity

10.1. Reactivity has a corrosive effect Oxidising agents 10.2. Chemical stability The mixture is stable at 2-8 °C up to the expiry date given on the label

10.3. Possibility of hazardous reactions Risk of explosion and/or toxic gas formation with the following substances no information available

Violent reactions possible with: Water, alkali metals, alkali compounds, ammonia, alkalines, metals, alkaline earth metals, alkaline earth compounds, metal alloys, acids No degradation when using according to the specification

10.4. Conditions to avoid no information available

10.5. Incompatible materials Tissue, metals, release of hydrogen by rection with metals

10.6. Hazardous decomposition products in case of fire: refer to section 5

11. Toxicological information

| | 11.1. Information on toxicological effects Component Sulfuric acid | Type LD ₅₀ (oral) | | Value 510 mg/kg | Species Rat | | |
|----|---|--|-------|---------------------------|-----------------------|--|--|
| | Skin irritation Irritation | | | | | | |
| | Eye irritation Serious irritation | | | | | | |
| | Genotoxicity Ames test negative | | | | | | |
| | Specific target organ toxicity No information available | | | | | | |
| | Aspiration hazard Based on available data the classification criteria are not met | | | | | | |
| | 11.2. Further information Quantative data on toxicity of the mixture are not available | | | | | | |
| 12 | . Ecological information | | | | | | |
| | 12.1. Toxicity | | | | | | |
| | Species | | Value | Exposition tir | <u>me (h)</u> | | |
| | Invertebrate (Daphnia magna) | EC ₅₀ (mg/l) | 29 | 24 | | | |
| | 12.2. Persistence and degradability no information available | | | | | | |

12.3. Bioaccumulative potencial No information available

12.4. Mobility in soil

No information available

12.5. Results of PBT- and vPvB-assessment A PBT- and vPvB-assessment is not available, as a chemical safety assassment is not required/not conducted.

12.5. Other adverse effectsHarmful effect due to pH shiftDanger for drinking waterDo not allow to run into surface water, wastewater or soil.

13. Disposal consideration

Leftovers should be disposed concerning to the regulation 2008/98/EC and/or national and regional regulations.

Uncontaminated packing can be treated as normal waste or conduct into the recycling process.

14. Transport information

Not supposed to the transport regulation

| ADR/RID | UN 2796 sulfuric acid, 8, II |
|---------|---|
| ΙΑΤΑ | UN 2796 SULPHURIC ACID, 8, II, Segregation Group: 1 (Acids) |
| IMDG | UN 2796 SULPHURIC ACID, 8, II |

15. Regulatory information

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

This safety data sheet complies with the requirements of the regulation (EC) No. 1907/2006

15.2. Chemical safety assessment For this product a chemical safety assessment was not carried out

16. Other information

| Text of H-codes mo H290 H314 | entioned in section 2 May be corrosive to metals Causes severe skin burns and eye damage |
|------------------------------------|---|
| Precautionary state | ements |
| P280 | Wear protective gloves, protective clothing, eye protection |
| P302+P352 | If on skin: Wash with plenty of soap and water |
| P305+P351+P338 | If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rising. |
| P310 | Immediately call a POISON CENTER or doctor/physician |

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



Rev.date: 10.05.2019 replaces version from 27.11.2015

| 1. | Identification of the substance/preparation and the company/undertaking | | |
|----|---|---|--|
| | 1.1. Product identifier | | |
| | Catalogue no.: | IC6000su | |
| | Product name: | anti-Gliadin sIgA / IgA ELISA TMB-Substrate (SUB) | |

1.2. Relevant identified uses of the substance or mixture and uses advised against Materials for use in the appropriate testkit.

1.3. Details of the supplier of the safety data sheet Company: ImmuChrom GmbH Lise-Meitner-Str. 13 64646 Heppenheim Tel.: +49 6252 910084 Fax: +49 6252 910070 Email: info@immuchrom.de www.immuchrom.de

1.4. Emergency telephone number Available during the normal working hours +49 6252 910084

Hazards identification
 Classification of the substance or mixture (Regulation (EC) No 1272/2008 none

2.2. Label elements (Regulation (EC) No 1272/2008 Hazard pictograms

Signal word

Hazard statements

Precautionary statements P280 P302 + P352 P305 + P351 + P338 P310

3. Composition/information on ingredients

The mixture contains the substances listed below and substances without dangerous potential.

| CAS-No. | EINECS | Description | Percent | H-codes of pure substance |
|------------|-----------|---|---------|------------------------------|
| 54827-17-7 | 259-364-6 | 3,3´,5,5´-Tetramethylbenzidine | <0,036 | 315, 319, 335 |
| 60-00-4 | 205-358-3 | Ethylendiamintetraacetic-di-sodium-salt | 0,093 | 319 |
| 26172-55-4 | 247-500-7 | 5-Chlor-2-methyl-4-isothiazolin-3-on | 0,00009 | 301, 311, 314, 317, 331, 410 |
| 2682-20-4 | 220-239-6 | 2-Methyl-4-isothiazolin-3-on | 0,00003 | 301, 311, 314, 317, 331, 410 |
| 7722-84-1 | 231-765-0 | Hydrogenperoxyde | <0,002 | 302, 318 |
| | | | | |

4. First aid measures

4.1. Description of first aid measuresGeneral advice: First aider needs to protect himself.After inhalation: Fresh air, in case of discomfort consult a physician.

After skin contact: Wash with plenty of water, remove contaminated clothing, in case of discomfort consult a physician.

After eye contact: Rinse out with plenty of water. Immediately contact a ophthalmologist.

If swallowed : Give water to drink (two glases at most). Immediately contact a physician.

4.2. Most important symptoms and effects, both acute and delayed No information available

4.3. Indication of immediate medical attention and special treatment needed No information available

5. Fire fighting measures

5.1. Extinguishing media Suitable extinguishing media: Water, foam, carbon dioxyde (CO₂)

Unsuitable extinguishing media: none

5.2. Special hazards arising from the substance ort he mixture Ambient fire may cause evolution of nitrous gases

5.3. Advice for firefighters Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation, observe emergency procedures, call an expert.

6.2. Environmental precaution Do not empty into drains

6.3. Methods and materials for containment and cleaning up Cover drains. Collect, bind and pump off spills.

6.4. Reference to other sections For waste treatment refer to section 13

7. Handling and storage

7.1 Precaution for safe handling Wear disposable gloves while handling specimens or kit reagents and wash hands thoroughly afterwards.

7.2. Conditions for safe storage, including any incompatibilities

Keep tightly closed.

Store at +2 - +8 °C.

7.3. Specific end uses Apart from the use mentioned in section 1.2. no other specific uses are stipulated

8. Exposure controls/personal protection

8.1. Control parameters

| CAS-No. | Description |
|------------|---|
| 54827-17-7 | 3,3´,5,5´-Tetramethylbenzidine |
| 60-00-4 | Ethylendiamintetraacetic-di-sodium-salt |
| 26172-55-4 | 5-Chlor-2-methyl-4-isothiazolin-3-on |
| 2682-20-4 | 2-Methyl-4-isothiazolin-3-on |
| 7722-84-1 | Hydrogenperoxyd |

MAK (TRGS 900) not listed not listed 0,05 mg/m³

0,05 mg/m³ 1,4 mg/m³

8.2. Exposure controls

Technical measures to reduce safety risk for the operator should be given priority over the use of personal protective equipment.

Individual protection measures

Hygiene measures: Wear disposable gloves while handling specimens or kit reagents and wash hands thoroughly afterwards. Do not eat, drink, smoke or apply makeup in areas where specimens or kit reagents are handled.

Eye protection: Wear safety glasses.

Hand protection: wear safety gloves The gloves must comply with the specifications of the directive EC 89/686/EEC and the related standard EN374.

Respiratory protection: Not necessary

Environmental exposure control: Do not empty into drains

9. Physical and chemical properties

| Other data none | ColourOOdourOpH-ValueCMelting pointTBoiling pointTFlash pointTEvaporation rateTFlammability (solid, gas)TLower explosion limitTHigher explosion limitTVapour pressureTRelative densityTWater solubilityTPartition coefficient: n-oktanol/waterTAutoignition temperatureTViscosity, dynamicTExplosive propertiesTOxidizing propertiesT | liquid, slightly foaming when shaken colourless characteristic 3,6-3,8 no information available 100 °C no information available no information available no information available not exposive not explosive no information available 1,003 g/ml complete no information available no information available |
|-----------------|---|--|
|-----------------|---|--|

10. Stability and reactivity

10.1. Reactivity no information available

10.2. Chemical stability

Temperature sensitive. The mixture is stable at 2-8 °C up to the expiry date given on the label

10.3. Possibility of hazardous reactions Risk of explosion and/or toxic gas formation with the following substances no information available

Violent reactions possible with:

No degradation when using according to the specification

10.4. Conditions to avoid Heat, direct sunlight

10.5. Incompatible materials Heavy metal salts, peroxidases, catalses

10.6. Hazardous decomposition products Endproduct of the decomposition is the yellow diammonia ion of tetramethylbenzidine, which is classified as non dangerous.

11. Toxicological information

| 11.1. Information on toxicological effects | | | |
|--|---------------------------|------------|---------|
| Component | Туре | Value | Species |
| 3,3´,5,5´-Tetramethylbenzidine | no information avail | lable | - |
| Ethylendiamintetraacetic-di-sodium-salt | LD ₅₀ (oral) | 2000 mg/kg | Rat |
| 5-Chlor-2-methyl-4-isothiazolin-3-on | LD ₅₀ (oral) | 3350 mg/kg | Rat |
| 2-Methyl-4-isothiazolin-3-on | LD ₅₀ (oral) | 550 mg/kg | Rat |
| Hydrogenperoxyd | LD ₅₀ (oral) | 1232 mg/kg | Rat |
| | LD ₅₀ (dermal) | 3000 mg/kg | Rabbit |

Skin irritation Slight irritation

Eye irritation Slight irritation

CMR effects No information available

Specific target organ toxicity No information available

Aspiration hazard No information available

11.2. Further information Quantative data on toxicity of the mixture are not available

12. Ecological information

12.1. Toxicity Only relevant for the preservatives 5-Chlor-2-methyl-4-isothiazolin-3-on und 2-Methyl-4isothiazolin-3-on. Species Value Exposition time (h) Type Trout LC₅₀ (mg/l) 0,19 Perch LC₅₀ (mg/l) 0,28 Algae (Skeletonema costatum) EC₅₀ (mg/l) 0,003 Algae (Selenastrum capricornutum) EC₅₀ (mg/l) 0,018 Invertebrate (Daphnia magna) EC₅₀ (mg/l) 0,16

| 12.2. Persistence and degradability Substance | t1/2 anaerob (h) |
|--|---|
| 5-Chlor-2-methyl-4-isothiazolin-3-on | 4,8 |
| 2-Methyl-4-isothiazolin-3-on | 9,1 |
| 12.3. Bioaccumulative potencial No information available | |
| 12.4. Mobility in soil No information available | |
| 12.5. Results of PBT- and vPvB-assessme A PBT- and vPvB-assessment is not availa required/not conducted. | ent able, as a chemical safety assassment is not |
| 12.5. Other adverse effects No other effects are known When using according the instruction ecolo | ogical danger is not expected |

13. Disposal consideration

Leftovers should be disposed concerning to the regulation 2008/98/EC and/or national and regional regulations.

Uncontaminated packing can be treated as normal waste or conduct into the recycling process.

14. Transport information

Not supposed to the transport regulation

ADR/RID

ΙΑΤΑ

IMDG

15. Regulatory information

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

This safety data sheet complies with the requirements of the regulation (EC) No. 1907/2006

15.2. Chemical safety assessment For this product a chemical safety assessment was not carried out

16. Other information

| Text of H-codes | mentioned in section 2 |
|-----------------|---|
| H301 | Toxic if swallowed |
| H302 | Harmful when swallowed |
| H311 | Toxic in contact with skin |
| H314 | Causes severe skin burns and eye damage |
| H315 | Cause skin irritation |
| H317 | May cause an allergic skin reaction |
| H318 | Causes serious eye damage |
| H319 | Causes serious eye irritation |
| H331 | Toxic if inhaled |
| H335 | May cause respiratory irritation |

| H410 | Toxic to aquatic life with long lasting effects |
|---------------------|---|
| Precautionary state | ements |
| P280 | Wear protective gloves, protective clothing, eye protection |
| P302+P352 | If on skin: Wash with plenty of soap and water |
| P305+P351+P338 | If in eyes: Rinse cautiously with water for several minutes. Remove contact |
| P310 | lenses, if present and easy to do. Continue rising. Immediately call a POISON CENTER or doctor/physician |

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



Safety data sheet According to regulation (EC) No. 1907/2006

Rev.date: 19.01.2024 replaces version from 10.05.2019

 Identification of the substance/preparation and the company/undertaking 1.1. Product identifier Catalogue no.: IC6300wp Product name: Wash buffer conc. (WASHBUF)

anti Gliadin / anti transglutaminase

1.2. Relevant identified uses of the substance or mixture and uses advised against Materials for use in the appropriate testkit.

1.3. Details of the supplier of the safety data sheet Company: ImmuChrom GmbH Lise-Meitner-Str. 13 64646 Heppenheim Tel.: +49 6252 910084 Fax: +49 6252 910070 Email: info@immuchrom.de www.immuchrom.de

1.4. Emergency telephone number Available during the normal working hours +49 6252 910084

Hazards identification
 Classification of the substance or mixture (Regulation (EC) No 1272/2008 none

2.2. Label elements (Regulation (EC) No 1272/2008 Hazard pictograms

Signal word

Hazard statements

Precautionary statements P280 P302 + P352 P305 + P351 + P338 P310

3. Composition/information on ingredients

The mixture contains the substances listed below and substances without dangerous potential.

| CAS-No. EINECS Description Percent 26172-55-4 247-500-7 5-Chlor-2-methyl-4-isothiazolin-3-on <0,005 2682-20-4 220-239-6 2-Methyl-4-isothiazolin-3-on <0,001 | H-codes of pure substance 301, 311, 314, 317, 331, 410 301, 311, 314, 317, 331, 410 |
|---|---|
|---|---|

4. First aid measures

4.1. Description of first aid measuresGeneral advice: First aider needs to protect himself.After inhalation: Fresh air, in case of discomfort consult a physician.

After skin contact: Wash with plenty of water, remove contaminated clothing, in case of discomfort consult a physician.

After eye contact: Rinse out with plenty of water. Immediately contact a ophthalmologist.

If swallowed : Give water to drink (two glases at most). Immediately contact a physician.

4.2. Most important symptoms and effects, both acute and delayed No information available

4.3. Indication of immediate medical attention and special treatment needed No information available

5. Fire fighting measures

5.1. Extinguishing media Suitable extinguishing media: Water, foam, carbon dioxyde (CO₂)

Unsuitable extinguishing media: none

5.2. Special hazards arising from the substance ort he mixture Ambient fire may cause evolution of nitrous gases

5.3. Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation, observe emergency procedures, call an expert.

6.2. Environmental precaution Do not empty into drains

6.3. Methods and materials for containment and cleaning up Cover drains. Collect, bind and pump off spills.

6.4. Reference to other sections For waste treatment refer to section 13

7. Handling and storage

7.1 Precaution for safe handling Wear disposable gloves while handling specimens or kit reagents and wash hands thoroughly afterwards.

7.2. Conditions for safe storage, including any incompatibilities

Keep tightly closed.

Store at +2 - +8 °C.

7.3. Specific end uses Apart from the use mentioned in section 1.2. no other specific uses are stipulated

8. Exposure controls/personal protection

8.1. Control parameters

| CAS-No. | Description |
|------------|--------------------------------------|
| 26172-55-4 | 5-Chlor-2-methyl-4-isothiazolin-3-on |
| 2682-20-4 | 2-Methyl-4-isothiazolin-3-on |

MAK (TRGS 900) 0,05 mg/m³ 0,05 mg/m³

8.2. Exposure controls

Technical measures to reduce safety risk for the operator should be given priority over the use of personal protective equipment.

Individual protection measures

Hygiene measures: Wear disposable gloves while handling specimens or kit reagents and wash hands thoroughly afterwards. Do not eat, drink, smoke or apply makeup in areas where specimens or kit reagents are handled.

Eye protection: Wear safety glasses.

Hand protection: wear safety gloves The gloves must comply with the specifications of the directive EC 89/

The gloves must comply with the specifications of the directive EC 89/686/EEC and the related standard EN374.

Respiratory protection: Not necessary

Environmental exposure control: Do not empty into drains

9. Physical and chemical properties

10. Stability and reactivity

10.1. Reactivity no information available

10.2. Chemical stability Temperature sensitive. The mixture is stable at 2-8 °C up to the expiry date given on the label

10.3. Possibility of hazardous reactions Risk of explosion and/or toxic gas formation with the following substances no information available Violent reactions possible with:

No degradation when using according to the specification

10.4. Conditions to avoid Heat, direct sunlight

10.5. Incompatible materials Heavy metal salts, peroxidases, catalses

10.6. Hazardous decomposition products No information available.

11. Toxicological information

| 11.1. Information on toxicological effects Component 5-Chlor-2-methyl-4-isothiazolin-3-on 2-Methyl-4-isothiazolin-3-on | Type LD₅₀ (oral) LD₅₀ (oral) | Value 3350 mg/kg 550 mg/kg | Species Rat Rat |
|---|---|---|------------------------------|
| Skin irritation Slight irritation | | | |
| Eye irritation Slight irritation | | | |

CMR effects No information available

Specific target organ toxicity No information available

Aspiration hazard No information available

11.2. Further information

Quantative data on toxicity of the mixture are not available

12. Ecological information

| 12.1. Toxicity | |
|----------------|--|
|----------------|--|

Only relevant for the preservatives 5-Chlor-2-methyl-4-isothiazolin-3-on und 2-Methyl-4-isothiazolin-3-on.

| Species | Туре | Value | Exposition time (h) |
|--|-------------------------|-------|---------------------|
| Trout | LC ₅₀ (mg/l) | 0,19 | |
| Perch | LC₅₀ (mg/l) | 0,28 | |
| Algae (Skeletonema costatum) | EC ₅₀ (mg/l) | 0,003 | |
| Algae (Selenastrum capricornutum) | EC50 (mg/l) | 0,018 | |
| Invertebrate (Daphnia magna) | EC ₅₀ (mg/l) | 0,16 | |
| 12.2. Persistence and degradability | | | |
| Substance | t1/2 anaerob (| 'n) | |
| 5-Chlor-2-methyl-4-isothiazolin-3-on | 4,8 | | |
| 2-Methyl-4-isothiazolin-3-on | 9,1 | | |
| 12.3. Bioaccumulative potencial No information available | | | |

12.4. Mobility in soil

No information available

12.5. Results of PBT- and vPvB-assessment A PBT- and vPvB-assessment is not available, as a chemical safety assassment is not required/not conducted.

12.5. Other adverse effects No other effects are known When using according the instruction ecological danger is not expected

13. Disposal consideration

Leftovers should be disposed concerning to the regulation 2008/98/EC and/or national and regional regulations.

Uncontaminated packing can be treated as normal waste or conduct into the recycling process.

14. Transport information

Not supposed to the transport regulation

ADR/RID

ΙΑΤΑ

IMDG

15. Regulatory information

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

This safety data sheet complies with the requirements of the regulation (EC) No. 1907/2006

15.2. Chemical safety assessment For this product a chemical safety assessment was not carried out

16. Other information

| Text of H-codes me | entioned in section 2 |
|--|---|
| 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 |
| H331 | Toxic if inhaled |
| H410 | Very toxic to aquatic life with long lasting effects |
| Precautionary state P280 P302+P352 P305+P351+P338 P310 | ements Wear protective gloves, protective clothing, eye protection If on skin: Wash with plenty of soap and water If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rising. Immediately call a POISON CENTER or doctor/physician |

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