

Safety data sheet

According to regulation (EC) No. 1907/2006

Rev.date: 26.07.2019 replaces version from 08.03.2012

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

1.1. Product identifier

Catalogue no.: IC2900ka
Product name: Vitamin C calibrator (CAL)

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 (reduced labeling <125 ml)

Signal word

Hazard statements

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 rinsing.

2.3. Other dangers

Calibrator contains human blood. It was tested and found negative for HBsAg, anti-HIV-1/2, and anti-HCV. No test can guarantee the absence of HBsAg or HIV, and so all reagents of human origin in this kit must be handled as though capable of transmitting infection. The normal precautions for laboratory working should be observed.

3. Composition/information on ingredients

The mixture contains human plasma and ascorbic acid (vitamin C).

4. First aid measures

4.1. Description of first aid measures

General advice: First aider needs to protect himself.

After inhalation:

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 : Never give anything by mouth to an unconscious person. Rinse mouth with water. 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 dioxide (CO₂)

Unsuitable extinguishing media: none

5.2. Special hazards arising from the substance or the 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

The composition contains no substances with exposure control.

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	yellow
Odour	bloodsmell after reconstitution
pH-Value	approx. 7
Melting point	no information available
Boiling point	no information available
Flash point	no information available
Evaporation rate	no information available
Flammability (solid, gas)	not applicable
Lower explosion limit	no information available
Higher explosion limit	no information available
Vapour pressure	no information available
Relative density	no information available
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

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

10.3. Possibility of hazardous reactions
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
Strong bases, strong acids, powdered metals, amines, phosphohalogenides, alcohols, organic materials, strong reduction agents.

10.6. Hazardous decomposition products
No information available

11. Toxicological information

11.1. Information on toxicological effects

Component	Type	Value	Species
No information available			

Skin irritation			
none			

Eye irritation			
slight 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
No information available

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 assessment is not required/not conducted.

12.6. Other adverse effects

No other effects known

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

IATA

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

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 rinsing.

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: 26.07.2019 replaces version from 08.03.2012

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

1.1. Product identifier

Catalogue no.: IC2900ko
Product name: Vitamin C control (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

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 (reduced labeling <125 ml)

Signal word

Hazard statements

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 rinsing.

2.3. Other dangers

Calibrator contains human blood. It was tested and found negative for HBsAg, anti-HIV-1/2, and anti-HCV. No test can guarantee the absence of HBsAg or HIV, and so all reagents of human origin in this kit must be handled as though capable of transmitting infection.
The normal precautions for laboratory working should be observed.

3. Composition/information on ingredients

The mixture contains human plasma and ascorbic acid (vitamin C).

4. First aid measures

4.1. Description of first aid measures

General advice: First aider needs to protect himself.

After inhalation:

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 : Never give anything by mouth to an unconscious person. Rinse mouth with water. 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 dioxide (CO₂)

Unsuitable extinguishing media: none

5.2. Special hazards arising from the substance or the 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

The composition contains no substances with exposure control.

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	yellow
Odour	bloodsmell after reconstitution
pH-Value	approx. 7
Melting point	no information available
Boiling point	no information available
Flash point	no information available
Evaporation rate	no information available
Flammability (solid, gas)	not applicable
Lower explosion limit	no information available
Higher explosion limit	no information available
Vapour pressure	no information available
Relative density	no information available
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

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

10.3. Possibility of hazardous reactions
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
Strong bases, strong acids, powdered metals, amines, phosphohalogenides, alcohols, organic materials, strong reduction agents.

10.6. Hazardous decomposition products
No information available

11. Toxicological information

11.1. Information on toxicological effects

Component	Type	Value	Species
No information available			

Skin irritation
none

Eye irritation
slight 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
No information available

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 assessment is not required/not conducted.

12.6. Other adverse effects

No other effects known

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

IATA

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

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 rinsing.

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: 26.07.2019 replaces version from 08.03.2012

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

1.1. Product identifier

Catalogue no.: IC2900Im
Product name: Vitamin C mobile phase (ELU)

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.

CAS-No.	EINECS	Description	Percent	H-codes of pure substance
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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 glasses 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 dioxide (CO₂)

Unsuitable extinguishing media: none

5.2. Special hazards arising from the substance or the mixture
No information available

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 the 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	MAK (TRGS 900)
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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	no information available
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 explosive
Higher explosion limit	not explosive
Vapour pressure	no information available
Relative density	2,7
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

11.1. Information on toxicological effects

Component	Type	Value	Species
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

No information available

12.2. Persistence and degradability

No information available

12.3. Bioaccumulative potential

No information available

12.4. Mobility in soil

No information available

12.5. Results of PBT- and vPvB-assessment

A PBT- and vPvB-assessment is not available, as a chemical safety assessment 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

IATA

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

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 rinsing.

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: 26.07.2019 replaces version from 08.03.2012

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

1.1. Product identifier

Catalogue no.: IC1900fr
Product name: Vitamin C precipitation solution (PREC)

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)

Skin irritant 2
Eye irritant 2

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

Hazard pictograms (reduced labeling <125 ml)



Signal word
Danger

Hazard statements

H314 Causes severe skin burns and eye damage
H319 Causes serious eye irritation
H335 May causes respiratory irritation

Precautionary statements

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray
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 rinsing.
P310 Immediately call a POISON CENTER or doctor/ physician

3. Composition/information on ingredients

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

CAS-No.	EINECS	Description	Percent	H-codes
50813-16-6	256-779-4	Metaphosphoric acid	100	H315, H319, H335

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 : Never give anything by mouth to an unconscious person. Rinse mouth with water. 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 dioxide (CO₂)

Unsuitable extinguishing media: none

5.2. Special hazards arising from the substance or the mixture

Not combustible

Ambient fire may cause hazardous gases (oxides of phosphorus)

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

The compositions contains no substances with exposure control.

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	solid, liquid after reconstitution
Colour	colourless
Odour	odourless
pH-Value	approx. 1
Melting point	no information available
Boiling point	no information available
Flash point	no information available
Evaporation rate	no information available
Flammability (solid, gas)	not applicable
Lower explosion limit	no information available
Higher explosion limit	no information available
Vapour pressure	no information available
Relative density	no information available
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

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

no information available

Violent reactions possible with:

No degradation when using according to the specification

10.4. Conditions to avoid

no information available

10.5. Incompatible materials

Strong bases, metals, nitromethane,

10.6. Hazardous decomposition products

No information available

11. Toxicological information

11.1. Information on toxicological effects

Component	Type	Value	Species
No information available			
Skin irritation			
Eye irritation			
Genotoxicity			
Specific target organ toxicity			
Aspiration hazard			
11.2. Further information			

No information available

Skin irritation

No information available

Eye irritation

No information available

Genotoxicity

No information available

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

No information available

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 assessment is not required/not conducted.

12.6. Other adverse effects

No other effects known

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

ADR/RID UN 3260 ÄTZENDER SAURER ANORGANISCHER FESTER STOFF, N.A.G; 8; III

IATA UN 3260 CORROSIVE SOLID, ACIDIC, INORGANIC, N,O,S; 8, III,

IMDG UN 3260 CORROSIVE SOLID, ACIDIC, INORGANIC, N,O,S; 8, III,

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

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May causes respiratory irritation

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 rinsing.

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: 26.07.2019 replaces version from 08.03.2012

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

1.1. Product identifier

Catalogue no.: IC1900rl
Product name: Vitamin C reconstitution solution (RECON)

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 (reduced labeling <125 ml)

Signal word

Hazard statements

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2.3. Other dangers

No information available

3. Composition/information on ingredients

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

CAS-No.	EINECS	Description	Percent	H-codes
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4. First aid measures

4.1. Description of first aid measures

General advice: First aider needs to protect himself.

After inhalation:

After skin contact: Wash with plenty of water, remove contaminated clothing.

After eye contact: Rinse out with plenty of water.

If swallowed : Never give anything by mouth to an unconscious person. Rinse mouth with water.

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 dioxide (CO₂)

Unsuitable extinguishing media: none

5.2. Special hazards arising from the substance or the 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

none

6.3. Methods and materials for containment and cleaning up

none

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

The composition contains no substances with exposure control.

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	none
pH-Value	no information available
Melting point	no information available
Boiling point	no information available
Flash point	no information available
Evaporation rate	no information available
Flammability (solid, gas)	not applicable
Lower explosion limit	no information available
Higher explosion limit	no information available
Vapour pressure	no information available
Relative density	no information available
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

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

10.3. Possibility of hazardous reactions
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	Type	Value	Species
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No information available

Skin irritation
none

Eye irritation
none

Genotoxicity
No information available

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
No information available

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 assessment is not required/not conducted.

12.6. Other adverse effects
No other effects known

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

IATA

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

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