

Safety data sheet

According to regulation (EC) No. 1907/2006

Rev.date: 10.05.2019 replaces version from: 08.03.2011

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

1.1. Product identifier

Catalogue no.: IC1700Im
Product name: Ubiquinone 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)

Flammable liquid (category 2)

Eye irritant (category 2)

Specific target organ toxicity – single exposition (category 3)

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

Hazard pictograms (reduced labeling <125 ml)



Signal word

Danger

Hazard statements

H225 Highly flammable liquid and vapour
H301+H311+H331 Fatal if swallowed, skin contact or inhaled
H370 Cause damage to organs
H319 Causes serious eye irritation
H336 May cause drowsiness or dizziness

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.
P403+P235

3. Composition/information on ingredients

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

CAS-No.	EINECS	Description	Percent	H-codes
67-56-1	200-659-6	Methanol		225, 301+311+331, 370
67-63-0	200-661-7	2-Propanol		225, 319, 336

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 : Fresh air. Make victim drink ethanol (e.g. 1 drinking glass of a 40% alcoholic beverage). Never give anything by mouth to an unconscious person. Immediately contact a physician. Only in exceptional cases, if no medical care is available within one hour, induce vomiting (only in conscious persons) and make victim drink ethanol again (approx.. 0.3 ml of a 40 % beverage/kg body weight/hour)

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

Irritant effects, drowsiness, dizziness, narcosis, agitation, spasms, inebriation, nausea, vomiting, headache, blindness, impairment of vision, coma, drying out effect resulting in rough and chapped skin.

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

CAS-Nr.	Description	MAK (TRGS 900)
67-56-1	Methanol	270 mg/m ³
67-33-0	2-Propanol	500 mg/m ³

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 (for methanol according to manufacturer)

Form	liquid
Colour	colourless
Odour	characteristic
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)	no information available
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	no information available
Oxidizing properties	no information available
Other data	none

10. Stability and reactivity

10.1. Reactivity

Vapour might form explosive mixtures with air.

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 with:

Oxidizing agents, perchloric acid, perchlorates, salts of oxyhalogenic acids, chromium(VI) oxide, halogen oxides, nitrous acid, nitrogen oxides, non-metallic oxides, chromsulfuric acid, chlorates, hydrides, zinc diethyl, halogens, magnesium, hydrogen peroxide.

Exothermic reactions with:

Acid halides, acid anhydrides, reducing agents, acids.

Generates dangerous gases or fumes with:

Alkaline earth metals, alkali metals

Violent reactions possible with:

No degradation when using according to the specification

10.4. Conditions to avoid

Warming (critical from 15 Kelvin below flash point), flames and sparks.

10.5. Incompatible materials

Various plastics, magnesium, zinc alloys.

10.6. Hazardous decomposition products

No information available

11. Toxicological information

11.1. Information on toxicological effects (for methanol corresponding to manufacturer)

Component	Type	Value	Species
Acute oral toxicity			
no information available			
Acute inhalative toxicity			
no information available			
Acute dermal toxicity			
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

Methanol may be fatal or cause blindness if swallowed., Cannot be made non-poisonous., Effects due to ingestion may include:., Nausea, Dizziness, Gastrointestinal disturbance, Weakness, Confusion., Drowsiness,Unconsciousness.

12. Ecological information

12.1. Toxicity (

no information available

12.2. Persistence and degradability

no information available

12.3. Bioaccumulative potential

no information available

Bioaccumulation is not expected log Pow < 1

12.4. Mobilität im Boden

Keine Informationen verfügbar

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 1230 Methanol, 3 (6.1), II
IATA	UN 1230 METHANOL, 3 (6.1), II
IMDG	UN 1230 METHANOL, 3 (6.1), II EmS, F-E, S-D

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

H225	Highly flammable liquid and vapour
H301+H311+H331	Fatal if swallowed, skin contact or inhaled
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H370	Cause damage to organs

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: 10.05.2019 replaces version from: 13.04.2012

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

1.1. Product identifier

Catalogue no.: IC1701ka
Product name: Ubiquinone 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 ubiquinone.

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: 10.05.2019 replaces version from: 08.03.2011

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

1.1. Product identifier

Catalogue no.: IC1700ko
Product name: Ubiquinone 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 ubiquinone.

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 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	liquid
Colour	yellow
Odour	bloodsmell after recontitution
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: 10.05.2019 replaces version from: 13.04.2012

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

1.1. Product identifier

Catalogue no.: IC1701io
Product name: Ubiquinone internal standard (IS OX)

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

Flammable liquids (Category 2)
Eye irritation (Category 2)
Specific target organ toxicity - single exposure (Category 3)

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

Hazard pictograms



Signal word
Danger

Hazard statements

H225 Highly flammable liquid and vapour.
H318 Causes serious eye damage.
H336 May cause drowsiness or dizziness.

Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

3. Composition/information on ingredients

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

CAS-No.	EINECS	Description	Percent	H-codes
71-23-8	200-746-9	1-Propanol	98	225, 318, 336
106-51-4	203-405-2	p-Benzochinone	< 0,02	301+331, 315, 319, 335, 400
		Internal standard	< 2	

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 consult a physician.

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

Central nervous system depression, prolonged or repeated exposure can cause: Nausea, headache, vomiting, narcosis, drowsiness, overexposure may cause mild, reversible liver effects.

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: For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

5.2. Special hazards arising from the substance or the mixture

Carbon oxides

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

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	characteristic
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)	no information available
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	no information available
Oxidizing properties	no information available

Other data

none

10. Stability and reactivity

10.1. Reactivity

no information available

10.2. Chemical stability

no information available

10.3. Possibility of hazardous reactions

no information available

10.4. Conditions to avoid

Heat, flames and sparks. Extremes of temperature and direct sunlight.

10.5. Incompatible materials

Oxidizing agents, Acid anhydrides, Aluminium, Halogenated compounds, Acids

10.6. Hazardous decomposition products

Other decomposition products - no data available

11. Toxicological information

11.1. Information on toxicological effects (for methanol corresponding to manufacturer)

Component	Type	Value	Species
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Acute oral toxicity

no information available

Acute inhalative toxicity

no information available

Acute dermal toxicity

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 potential

no information available

Bioaccumulation is not expected $\log Pow < 1$

12.4. Mobilität im Boden

Keine Informationen verfügbar

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

Product

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging

Dispose of as unused product.

14. Transport information

ADR/RID	UN 1274 n-Isopropanol, 3, II
IATA	UN 1274 N-ISOPROPANOL, 3, II
IMDG	UN 1274 N-ISOPROPANOL, 3, II EmS, F-E, S-D

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

no information available

16. Other information

Text of H-codes mentioned in section 2

H301+H331	Toxic if swallowed or inhaled
H225	Highly flammable liquid and vapour.
H315	Causes skin irritation
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life

Precautionary statements

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P261	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
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: 10.05.2019 replaces version from: 13.04.2012

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

1.1. Product identifier

Catalogue no.: IC1701fr
Product name: Ubiquinone precipitation reagent (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)

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

No information available.

3. Composition/information on ingredients

The mixture contains human plasma and 25-OH Vitamin D3 and 25-OH Vitamin D2.

CAS-No.	EINECS	Description	Percent	H-codes of pure substance
7783-20-2	231-984-1	Ammonia sulfate		

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	colorless
Odour	odourless
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
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: 10.05.2019 replaces version from: 13.04.2012

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

1.1. Product identifier

Catalogue no.: IC1701sl
Product name: Ubiquinone stabilisation solution (STAB)

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

No information available.

3. Composition/information on ingredients

The mixture contains human plasma and 25-OH Vitamin D3 and 25-OH Vitamin D2.

CAS-No.	EINECS	Description	Percent	H-codes of pure substance
7783-20-2	231-984-1	Ammonia sulfate Stabilizer		

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	colorless
Odour	odourless
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
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.