

SAFETY DATA SHEET

According to Regulations
(EC) No. 1272/2008 and (EU) No. 453/2010

IQ Lyse

1. Identification

1.1 Product Identifier

Product Name: IQ Lyse
Product Number: IQP-199
EDMA Code:
REACH No.: A registration number is not available for this mixture as the mixture or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.
CAS No.: Paraformaldehyde CAS-No. 30525-89-4

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

IQ Lyse is available as a 25 ml solution (250 tests). IQ Lyse is a reagent additive for the lysis of erythrocytes when coloring monoclonal antibodies with whole blood. This product is for research use only. Not for use in humans. Not for *in vivo* use.

1.3 Details of the supplier of the safety data sheet

Company: IQ PRODUCTS BV
Address: Rozenburglaan 13a
9727 DL GRONINGEN
THE NETHERLANDS
Telephone: +31-50-5757000
Fax: +31-50-5757002
E-mail address: marketing@iqproducts.nl
Website: www.iqproducts.nl

1.4 Emergency telephone numbers

Emergency Phone # 112

2. Hazard Identification

2.1 Classification of the substance or mixture

The IQ Lyse product does contain a dangerous substance in amounts that need to be hazard Labeled.

Classification of the substance or mixture in accordance with GHS.

Acute toxicity, Category4, Inhalation, H332;
Acute toxicity, Category4, Oral, H302;
Carcinogenicity, Category2, H351;
Skin irritation, Category2, H315;
Eye irritation, Category2, H319;
Skin sensitisation, Category1, H317;
Flammable solid, Category2, H228;
Specific target organ toxicity-single exposure, Category3, respiratory system, H335.

2.2 Label elements

Hazard Pictograms (GHS-US): 
Hazardous ingredients: Paraformaldehyde (CAS:30525-89-4)
Signal Word (GHS-US): WARNING

Hazard Statements (GHS_US):

H228 Flammable solid;
H302+H332 Harmful if swallowed and if inhaled;
H315 Causes skin irritation;
H317 May cause an allergic skin reaction;
H319 Causes serious eye irritation
H335 May cause respiratory irritation;
H351 Suspected of causing cancer.

Precautionary Statements (GHS-US):

P280 Wear protective gloves/ protective clothing /eye protection / face protection;
P302+P352 IF ON SKIN : Wash with plenty of soap and water;
P304+P340 IF INHALED : Remove victim to fresh air and keep at rest in a position comfortable for breathing;
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes and remove contact lenses, if present and easy to do. Continue rinsing;
P308+P313 IF exposed or concerned: Get medical advice/attention;
P370+P378 In case of fire: Use sand for extinction.

General

P270 Do not eat, drink or smoke when using this product;
P262 Do not get in eyes, on skin, or on clothing;
P337+P313 If eye irritation persists: Get medical advice/attention;
P280 Wear protective gloves/protective clothing/eye protection/face protection.

2.3 Other Hazards

All reagents should be handled in accordance with good laboratory practices using appropriate precautions. In addition, handle all patient samples with appropriate precautions as described in "Biosafety in Microbial and Biomedical Laboratories", 2nd ed., 1988. HHS Publication No. (CDC) 88-8395, Centers for Disease Control.

There are no reported further health hazards for the product in the current formulation and applications. The product contain substances that may be hazardous when available in significant amounts and should be treated as potentially biohazardous. No toxic effects are to be expected when the product is handled appropriately. The product may enter the body through inhalation, ingestion, skin contact and eye contact.

3. Composition/Information on ingredients

3.1 Substances

Not applicable.

3.2 Mixtures

Composition of the product:

25 ml	IQ Lyse - buffered Formaldehyde
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Information on ingredients:

Paraformaldehyde	CAS-No. 30525-89-4	1-5 % (w/v)
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4. First-aid Measures

4.1 Description of first aid measures

- Inhalation: Get affected persons into the fresh air. Administer artificial respiration if the casualty stops breathing. Provide oxygen where breathing is difficult. Seek immediately medical attention and show the label.
- Skin Contact: Remove contaminated clothing and shoes and wash before wearing again. Clean skin area with plenty of water (for 15 minutes). If difficulties arise, call the doctor.
- Eye Contact: In the event of eye contact rinse thoroughly with eyes open (at least 10 minutes). Seek immediately medical attention and show the label.
- Ingestion: Seek immediately medical attention and show the label. Keep subject calm. No oral administration, do not induce vomiting, if the subject is not conscious! Have the subject drink 1-2 glasses of water immediately.

4.2 Most important symptoms and effects, both acute and delayed

Not available.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician: All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that over exposure to materials other than this product may have occurred. Also see above under section 4.1.

5. Fire-fighting Measures

5.1 Extinguishing media

- Extinguishing Media: Use carbon dioxide, dry chemical extinguisher, foam or water.
- Protective Equipment: An approved self-contained breathing apparatus and protective clothing should be used.
- Special Fire and Explosion Hazards: No special hazards determined.
- Hazard Combustion Products: Due to the composition and volume of this product, combustion products generated from it are not expected to present a significant hazard.

5.2 Special hazards arising from the substance or mixture

No special hazards determined.

5.3 Advice for firefighters

This product does not cause special protective equipment to be required. In the event of a large laboratory fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full-face piece operated in the pressure demand or other positive pressure mode. Water spray may be used to keep fire-exposed containers cool. Poisonous gases may be produced in fires.

6. Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Use universal precautions, appropriate personal protective equipment and standard safe laboratory practices to clean up spilled substance promptly. Absorb spill onto an appropriate material. Avoid contact with eyes, skin and clothing. Wear safety glasses and protective gloves.

6.2 Environmental Precautions

The released material and the resultant waste must be treated in accordance with the environmental protection measures. The product and the resultant must not get into the water, soil or sewerage system. Inform the authorities immediately in the event of a release.

6.3 Methods and Material for Containment and Cleaning Up

Absorb the released material with sand or vermiculite and store the waste collected in an appropriately marked container until it can be removed/disposed of properly. Wear special protective equipment during the disposal. Clean contaminated areas thoroughly with plenty of water.

6.4 Reference to Other Sections

Follow protective measures provided in Sections 7 and 8.

7. Handling and storage

7.1 Precautions for safe handling

All reagents should be handled in accordance with good laboratory practices using appropriate precautions:

- No eating, drinking, or smoking in work areas
- Wash hands after use
- Remove contaminated clothing and protective equipment before leaving work area
- Avoid inhaling, ingesting, and contact with eyes and skin.

In addition, this product should be handled as though capable of transmitting infectious diseases. Universal precautions should be followed when using this product.

7.2 Conditions for Safe Storage, Including Any Incompatibilities

All components of the Fetal Cell Count™ kit are stable if stored according to appropriate conditions until the expiration date as indicated on the label and on each component provided. Storage conditions recommended: 2 to 8 °C. Protect the kit from temperatures above 30°C and from prolonged time at room temperature. Do not freeze. Avoid direct sunlight.

7.3 Specific End Use(s)

The intended use is mentioned in section 1.2 no other specific uses are stipulated.

8. Exposure controls/personal protection

8.1 Control parameters

The product does not contain any materials that need to be monitored at the workplace.

8.2 Exposure controls

Universal precautions should be followed when using this product.

Wear appropriate personal protective equipment and follow safe laboratory practices.



Pictograms:

Respiratory: None required when product is used as recommended

Hands: Wear protective gloves according to EN 166

Eye / Face: Wear safety glasses according to EN 374

Skin / Body: None required

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Liquid, clear, colorless
Odour	Pungent, paraformaldehyde
Odour Threshold	Not applicable
pH	7,2
Melting point/freezing point	No data available
Initial boiling point and boiling range	Not applicable
Flash point	Not applicable
Evaporation rate	No data available
Flammability	No data available
Upper/lower Flammability or explosive limits	No data available
Vapour pressure	Not applicable
Vapour density	Not applicable
Relative density	Not applicable
Water solubility	Fully miscible in water
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	Not self-igniting data available
Decomposition temperature	Not applicable
Viscosity	No data available
Explosive properties	Product is not explosive
Oxidizing properties	Product is not oxidizing

9.2 Other information

No other information available.

10. Stability and Reactivity

10.1 Reactivity

No known reactivity.

10.2 Chemical Stability

The product is stable under ambient storage and handling temperatures and under normal pressures.

10.3 Possibility of Hazardous Reactions

Oxidising reagents.

10.4 Conditions to Avoid

None identified.

10.5 Incompatible Materials

Strong acids, strong bases, phenol, hydrochloric acid.

10.6 Hazardous Decomposition Products

Formaldehyde gas, carbon monoxide.

11. Toxicological information

11.1 Information on toxicological effects

Acute Toxicity: No toxic effect known.

Skin Corrosion/Irritation: No irritant effect known.

Serious Eye Damage/Irritation: No irritant effect known.

Respiratory or Skin Sensitization: Sensitisation possible by skin contact.

Germ cell mutagenicity: No data available

Carcinogenicity: Suspected of being carcinogenic.

Reproductive toxicity: No data available

STOT-single exposure: No data available

STOT-repeated exposure: No data available

Aspiration Hazard: Not Classified

Toxicity on Repeated Exposure: No toxic effect known.

12. Ecological information

12.1 Toxicity

Infiltration into soil, water and sewerage system is to be avoided.

12.2 Persistence and Degradability

Undetermined.

12.3 Bioaccumulative Potential

Undetermined.

12.4 Mobility in Soil

Undetermined.

12.5 Results of PBT and vPvB Assessment

Undetermined.

12.6 Other Adverse Effects

No information available.

13. Disposal considerations

13.1 Waste treatment methods

Product:

There are no uniform EC regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC member countries through corresponding laws and regulations. We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste.

Contaminated Packaging:

Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.

14. Transport information**14.1 UN Number**

Not determined.

14.2 UN Proper Shipping Name

Not determined.

14.3 Transport Hazard Class

Not determined.

14.4 Packing Group

Not classified.

14.5 Environmental Hazards

Not classified.

14.6 Special Precautions for Users

See subsections 6-8.

14.7 Transport in Bulk According to Annex II of MARPOL73/78 and the IBC Code

This product is provided only in non-bulk containers.

15. Regulatory information**15.1 Safety, health and environmental regulations specific for the substance or mixture**

SARA Section 311/312 Hazard Classes are not applicable. This product is not classified. To the best of our knowledge, safety, health, and environmental regulations according to Regulation (EC) No. 1907/2006-REACH are not applicable.

15.2 Chemical safety assessment

No chemical safety assessment has been carried out.

16. Other information**Changes to the previous version**

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910:1200 and complies with Regulation (EC) 453/2010.

Literature References

Regulation (EC) No. 1272 / 2008
Regulation (EU) No.453 / 2010
Regulation (EC) No. 1907 / 2006

Disclaimer/Statement of Liability

The information presented in this Safety Data Sheet is based on the present state of our knowledge. The product should be used according to the instructions provided by the manufacturer, see "Instructions for use" as presented in the package insert accompanying every product. We make no warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. The product should be used according to the instructions provided by the manufacturer, see "instructions for use" as presented in the Package Insert accompanying every product. *IQ Products BV* nor any distributors thereof shall not be held liable for any claims, losses, or damages resulting from handling or from contact with the product.

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