



MATERIAL SAFETY DATA SHEET

According to EC Directive 91/155 EC

Date: 01/05/10

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

1.1 Product Details:

Trade Name: ISOLATE Fecal DNA Kit

Catalog Number: BIO-52038, 100 reactions
BIO-52037, 25 reactions

1.2 Company Details:

Manufacturer/ Supplier: Bioline
16 The Edge Business Centre
Humber Road
London
NW2 6EW
Tel: +44 (0)20 8830 5300
Fax: +44 (0)20 8452 2822

Further Information Obtainable from:
Technical Services
Details as above

1.3 Emergency Details:

24-Hour Contact in case of emergency:
Vergiftungs-Informations-Zentrale
Mathilden Strasse 1
79106 Freiburg
GERMANY
Tel: +49 (0) 761 19240.

2. Composition/ Information on Ingredients

2.1 Chemical Characterization:

Synonyms: Fecal DNA Binding Buffer (Component A)
Chemical Characterization: Aqueous solution of 4 M Guanidine Thiocyanate

Dangerous component:

GUANIDINE THIOCYANATE

CAS #
593-84-0

EC #
209-812-1

RTECS #
XL1225000

Formula
CH₅N₃CHNS

3. Hazards Identification

3.1 Precautionary Statements:

R 36/37/38: Harmful by inhalation and ingestion. Irritating to eyes, respiratory system and skin.

Target Organs: Central nervous system

4. First Aid Measures

4.1 After Inhalation:

Remove victim to fresh air. Give oxygen if breathing becomes difficult. Should breathing stop, give artificial respiration. Get medical aid if cough or other symptoms appear.

4.2 After Swallowing:

Keep victim warm and calm. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Consult a doctor immediately.

4.3 After Contact with Eyes:

Immediately flush eyes with copious amounts of water for at least 15 minutes. Consult a doctor immediately.

4.4 After Contact with Skin:

Wash contaminated areas with large volumes of soap and water for at least 15 minutes as contaminated clothing is removed. Get medical attention if area remains irritated. Do not wear contaminated clothing until after it has been properly cleaned.

5. Fire Fighting Measures

5.1 Suitable Extinguishing Media:

Water spray, CO₂ or dry chemical powder. Large fires should be confronted with water spray or alcohol resistant foam.

5.2 Fire Fighting Protective Measures:

Wear self-contained breathing apparatus MSHA/NIOSH (approved or equivalent), and protective garments. If possible, have this product removed from the fire scene.

6. Accidental Release Measures

6.1 Personal Precautions:

Wear self-contained breathing apparatus, MSHA/NIOSH (approved or equivalent), chemical safety goggles, rubber boots, and heavy rubber gloves.

6.2 Environmental Precautions:

Do not allow to enter the surface or ground water. Do not allow to enter sewers.

6.3 Clean-up Measures:

Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal. Avoid generating dusty conditions.

7. Handling and Storage

7.1 Handling:

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

7.2 Storage:

Store tightly closed at Room Temperature.

8. Exposure Controls/ Personal Protection

8.1 Engineering Measures:

Mechanical exhaust required. Keep tightly closed. See section 7.

8.2 Personal Protection:

Wear appropriate NIOSH / MSHA-Approved respirator, chemical resistant gloves, chemical safety goggles. Do not inhale vapor. Severe eye irritant.

Hygiene Practices: Avoid contact with skin or eyes. Do not place in mouth.

Do not eat, drink or smoke when handling this product. Upon completion of the use of this product, dispose of protective gloves safely and wash hands thoroughly with soap and water.

9. Physical and Chemical Properties

9.1 Physical Properties

Appearance: Liquid, colorless, odorless.

9.1 Chemical Properties

Melting point/Melting range: 243°F

Flash Point: > 67°C

Vapor pressure: Negligible

Solubility in Water: Fully Soluble

10. Stability and Reactivity

10.1 Stability

Product is stable under normal handling and storage conditions.

Avoid excess heat, flame, pressure, light and incompatible materials

10.2 Reactivity

Substances to avoid: Thiocyanate compounds are incompatible with chlorates, nitrates, nitric acid, organic peroxides, oxidizing agent, peroxides, potassium chlorate, and sodium chlorate.

Hazardous, combustion or decomposition products: Carbon monoxide, oxides of nitrogen, oxides of sulfur, carbon dioxide.

Hazardous Polymerization: Has not been reported.

11. Toxicological Information

11.1 Primary Irritant Effect:

Material is destructive to mucous membranes and upper respiratory tract.

11.2 Further Toxicological Information

The product should be handled with the normal caution accorded to chemical handling. Additional harmful properties cannot be ruled out.

12. Ecological Information

12.1 Environmental Effects

Environmental Fate/Stability: Unknown

Effects on Plants or Animals: Unknown

12.2 Water Hazard

Unknown

13. Disposal Considerations

13.1 Product Disposal:

Not listed as a material banned from land disposal according to RCRA.

13.2 Packaging Disposal:

Unclean packaging should be disposed of according to official regulations.

14. Transport Information

RID/ADR

No information available

IMDG

No information available

IATA

No information available

15. Regulatory Information

15.1 Labelling According to EU Guidelines

European Labeling in Accordance with EC Directives

Hazard Symbols: Xn

Risk Phrases: R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R 32 Contact with acids liberates very toxic gas.

Safety Phrases: S 22 Do not inhale.

S 24-25 Avoid contact with skin and eyes.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger / Protection): Cas No.: 593-84-0

16. Other Information

The information provided in this Material Safety Data Sheet (MSDS) is accurate to the best of our present knowledge. However, this shall not constitute a guarantee for any specific product features. All substances and preparations may present unknown hazards and should be used with caution. Bioline shall not be held liable for any damage resulting from the handling of or contact with the above product. The information supplied in this MSDS shall not establish a legally valid contractual relationship.



MATERIAL SAFETY DATA SHEET

According to EC Directive 91/155 EC

Date: 17/03/03

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

1.1 Product Details:

Trade Name: ISOLATE Fecal DNA Kit

Catalog Number: BIO-21100, 100 reactions
BIO-21097, 25 reactions

1.2 Company Details:

Manufacturer/ Supplier: Bioline
16 The Edge Business Centre
Humber Road
London
NW2 6EW
Tel: +44 (0)20 8830 5300
Fax: +44 (0)20 8452 2822

Further Information Obtainable from:
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24-Hour Contact in case of emergency:
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Mathilden Strasse 1
79106 Freiburg
GERMANY
Tel: +49 (0) 761 19240.

18. Composition/ Information on Ingredients

2.1 Chemical Characterization:

Synonyms: Fecal DNA Binding Buffer (Component B)
Chemical Characterization: Aqueous solution of 50% Glycerol

Dangerous component:

GLYCEROL

CAS #	EC #	RTECS #	Formula
56-81-5	200-289-5	MA8050000	C ₃ H ₈ O ₃

19. Hazards Identification

3.1 Precautionary Statements:

Irritating to eyes and skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.

Target Organs: Kidneys

20. First Aid Measures

4.1 After Inhalation:

Remove victim to fresh air. Give oxygen if breathing becomes difficult. Should breathing stop, give artificial respiration. Get medical aid if cough or other symptoms appear.

4.2 After Swallowing:

Keep victim warm and calm. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Consult a doctor immediately.

4.3 After Contact with Eyes:

Immediately flush eyes with copious amounts of water for at least 15 minutes. Consult a doctor immediately.

4.4 After Contact with Skin:

Wash contaminated areas with large volumes of soap and water for at least 15 minutes as contaminated clothing is removed. Get medical attention if area remains irritated. Do not wear contaminated clothing until after it has been properly cleaned.

21. Fire Fighting Measures

5.1 Suitable Extinguishing Media:

Water spray, CO₂ or dry chemical powder. Large fires should be confronted with water spray or alcohol resistant foam.

5.2 Fire Fighting Protective Measures:

Wear self-contained breathing apparatus MSHA/NIOSH (approved or equivalent), and protective garments. If possible, have this product removed from the fire scene.

22. Accidental Release Measures

6.1 Personal Precautions:

Wear self-contained breathing apparatus, MSHA/NIOSH (approved or equivalent), chemical safety goggles, rubber boots, and heavy rubber gloves.

6.2 Environmental Precautions:

Do not allow to enter the surface or ground water. Do not allow to enter sewers.

6.3 Clean-up Measures:

Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal. Avoid generating dusty conditions.

23. Handling and Storage

7.1 Handling:

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

7.2 Storage:

Store tightly closed at Room Temperature.

24. Exposure Controls/ Personal Protection

8.1 Engineering Measures:

Mechanical exhaust required. Keep tightly closed. See section 7.

8.2 Personal Protection:

Wear appropriate NIOSH / MSHA-Approved respirator, chemical resistant gloves, chemical safety goggles. Do not inhale vapor. Severe eye irritant.

Hygiene Practices: Avoid contact with skin or eyes. Do not place in mouth.

Do not eat, drink or smoke when handling this product. Upon completion of the use of this product, dispose of protective gloves safely and wash hands thoroughly with soap and water.

25. Physical and Chemical Properties

9.1 Physical Properties

Appearance: Liquid, colorless, odorless.

9.1 Chemical Properties

Melting point/Melting range: 243°F

Flash Point: > 67°C

Vapor pressure: Negligible

Solubility in Water: Fully Soluble

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11.1 Primary Irritant Effect:

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28. Ecological Information

12.1 Environmental Effects

Environmental Fate/Stability: Unknown

Effects on Plants or Animals: Unknown

12.2 Water Hazard

Unknown

29. Disposal Considerations

13.1 Product Disposal:

Not listed as a material banned from land disposal according to RCRA.

13.2 Packaging Disposal:

Unclean packaging should be disposed of according to official regulations.

30. Transport Information

RID/ADR

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IMDG

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IATA

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31. Regulatory Information

15.1 Labelling According to EU Guidelines

European Labeling in Accordance with EC Directives

Hazard Symbols: Xn

Risk Phrases: R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R 32 Contact with acids liberates very toxic gas.

Safety Phrases: S 22 Do not inhale.

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