

MATERIAL SAFETY DATA SHEET

According to EC Directive 1907/2006
Revision Date: 05.04.13 MS-50150 V02



A Meridian Life Science® Company

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Trade Name : MyTaq Extract-PCR Kit

Catalogue Number : BIO-21126 100 reactions
BIO-21127 500 reactions

Manufacturer/ Supplier: Headquarters

Bioline Reagents Ltd.
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Europe

UK - details as above

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Australia



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Tel: +61 (0)2 9209 4180
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Other regions

Please contact the UK headquarters

24-Hour Contact in case of emergency : Vergiftungs-Informationen-Zentrale
Mathilden Strasse 1
79106 Freiburg
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2. HAZARD IDENTIFICATION

Product name	Directive 1999/45/EC	GHS Directive 1272/2008/EC
Buffer B	IRRITANT  R36/37/38 R42	DANGER  H315 – Skin Irrit. 2 H319 – Eye Irrit. 2 H334 – Resp. Sens. 1 H335 – STOT SE 3 Does not need labelling as hazardous
MyTaq HS Mix	Does not need labelling as hazardous	Does not need labelling as hazardous

According to Regulation (EC) No1272/2008
Skin Irritant (Category 2)
Eye Irritant (Category 2)
Respiratory Sensitivity (Category 1)
Specific Target Organ Toxicity (Single exposure) [Respiratory tract irritation] (Category 3)

According to European Directive 67/548/EEC as amended.
Xi – Irritant

Label elements

Pictogram



Signal word

Warning
Danger

Hazard statement(s)

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.

Precautionary statement(s)

P261S	Avoid breathing dust
P280sh	Wear protective gloves/eye protection
P302+352	IF ON SKIN: Wash with plenty of soap and water
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Hazard symbol(s)

Xi Sensitising

R-pharse(s)

R36/37/38 Irritating to eyes, respiratory system and skin.
R42 May cause sensitisation by inhalation.

S-pharse(s)

S36/37 Wear suitable protective clothing and gloves

Other hazards

None

3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixture of hazardous substances listed below with non-hazardous additions.

Chemical name	CAS-No.	EC-No.	Concentration	Classification
Buffer B				
Calcium chloride	10043-52-4	233-140-8	>0.1%	H319
Proteinase K	-	254-457-8	5-10%	H315; H319; H334; H335

4. FIRST AID MEASURES

After Inhalation

Remove to fresh air. Keep airways free. If not breathing give artificial respiration – not mouth to mouth. Get medical attention.

After Swallowing

Rinse mouth with water; give small quantities of water to drink. Do not induce vomiting. Get medical attention.

After Contact with Eyes

Rinse eyes with running water with eyelids open. Tilt the head to prevent chemical transferring to uncontaminated eye. Get medical attention.

After Contact with Skin

Remove contaminated clothing. Rinse the affected skin or mucous membrane thoroughly under running water. Use soap if possible. Get medical attention.

Note to Physician

No additional recommendations

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.

Unusual Fire Hazard

Hydrogen chloride gas, calcium oxide and nitrogen oxides.

Fire Fighting Protective Measures

Wear full protective clothing to prevent contact with the skin and eyes.

Wear self-contained breathing equipment to prevent inhalation of explosive or combustion gases. Fight fire from a safe distance and a protected location due to the potential of hazardous vapours and decomposition products.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure ventilation is adequate.

Only to be used by trained staff.

Refer to section 8 for personal protection equipment recommendations.

Environmental Precautions

Do not allow the product to enter the drains.

Clean-up Measures

Prevent the spread of any spill in order to minimise harm to human health and the environment if it is safe to do so. Use a liquid-binding material (e.g. sand, sawdust, diatomite etc.) to absorb the spillage. Place in closed containers for disposal. Ventilate area well after clean-up procedures have taken place.

7. HANDLING AND STORAGE

Handling

Avoid contact with skin and eyes. Avoid formation and aerosols. In accordance with the instructions that come with the product. Use good laboratory handling procedures.

Storage

Packaging allows safe storage. Refer to section 12 for further details.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Measures

Local exhaust ventilation or other engineering controls are normally required when handling this product to avoid overexposure.

Ingredients with Limit Values

No limits available.

Personal Protection

Respiratory Protection: Only if additional recommendations in test instruction or packing insert.

Eye Protection: An eye wash station must be available where this product is used. Wear chemically resistant, tightly fitting safety goggles or glasses with side-shields, according to EN 166.

Skin Protection: Prevent all contact with this product. Protective gloves, apron, face and further skin protection should be used depending on conditions of use, according to EN 374. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment thoroughly after each use.

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

	Colour	Odour	Appearance
Buffer B	Colourless	Odourless	Liquid

10. STABILITY AND REACTIVITY

Stability

In original packaging all reagents are safety and separated stored. Decompositions are not observed during the expiration period under recommended conditions.

Reactivity

No data available.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

	Calcium chloride 10043-52-4
LD50 _{ori rat}	> 2301 mg/kg

Data on other components is either not available or not required.

12.ECOLOGICAL INFORMATION

Data on components is either not available or not required.

13.DISPOSAL CONSIDERATIONS

Product Disposal

Must be disposed of according to all local official regulations.

Packaging Disposal

Unclean packaging should be disposed of according to all local official regulations.

14.TRANSPORT INFORMATION

Not classified as hazardous by any transport regulations, air, sea or land.

15.REGULATORY INFORMATION

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

Label elements

Pictogram



Signal word

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Hazard statement(s)

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Hazard symbol(s)

Xi

Sensitising

R-phrases(s)

R36/37/38

Irritating to eyes, respiratory system and skin.

R42

May cause sensitisation by inhalation.

S-phrases(s)

S36/37

Wear suitable protective clothing and gloves

Other hazards

none

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 from contact with the above product. The information supplied in this MSDS shall not establish a legally valid contractual relationship.