
SAFETY DATA SHEET

SECTION 1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

- Product Name: BioKits PCR Mastermix Pod
- Product Part Number: 503096D (Chicken), 503094H (Beef), 503099W (Goat), 503098Y (Horse), 203100R (Rabbit), 50309F (Sheep), 503097B (Turkey), 503093K (Pig)
- Contains Cresol red, Oligonucleotides in a trizma buffer.

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

- Use of the substance/mixture: For the qualitative detection of species specific DNA in food stuffs.
- Use advised against: No information available

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Neogen Europe Ltd
- Address of Supplier: The Dairy School
Auchincruive
Ayr, Scotland
KA6 5HW
UK
- Telephone: +44 (0) 1292 525 600
- Email: Info_uk@neogeneurope.com

1.4 Emergency telephone number

- Emergency Telephone: +44 (0) 1292 525 600
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SECTION 2 Hazards identification

2.1 Classification of the substance or mixture

- Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]: Skin Irrit. 2, H315, Eye Irrit. 2, H319, STOT SE 3, H335
- Classification (67/548/EEC, 1999/45/EC) [CHIP]: Xi; R36/37/38
- Additional information: For full text of R-phrases and Hazard- and EU Hazard-statements: see section 16

2.2 Label elements



GHS07

- Signal Word: Warning
 - Symbols: GHS07
 - Hazard phrases
Causes skin irritation.
Causes serious eye irritation.
May cause respiratory irritation.
 - Precautionary Phrases
Wear protective gloves/protective clothing/eye protection/face protection.
IF ON SKIN: Wash with plenty of soap and water.
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SECTION 2 Hazards identification (....)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Call a POISON CENTER or doctor/physician if you feel unwell.

2.3 Other hazards

- No information available
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SECTION 3 Composition/information on ingredients

3.1 Substances

3.2 Mixtures

- Cresol red
Concentration: <30%
CAS Number: 1733-12-6
EC Number: 217-064-2
Categories: Skin Irrit. 2, Eye Irrit. 2, STOT SE 3
R/H Phrases: H315, H319, H335, R36/37/38
Symbols: GHS07, Xi
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SECTION 4 First aid measures

4.1 Description of first aid measures

- Contact with skin
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
If skin irritation or rash occurs: Get medical advice/attention.
Contaminated clothing should be laundered before reuse
- Contact with eyes
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Irrigate eyes thoroughly whilst lifting eyelids
Seek immediate medical attention
- Ingestion
IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
Immediately call a POISON CENTER or doctor/physician.
- Inhalation
IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
Seek medical advice if necessary

4.2 Most important symptoms and effects, both acute and delayed

- Causes redness and irritation

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically
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SECTION 5 Fire-fighting measures

5.1 Extinguishing media

- In case of fire use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide

5.2 Special hazards arising from the substance or mixture

- Gives off irritating or toxic fumes (or gases) in a fire.
- Decomposition products may include oxides of nitrogen, sulphur and carbon
- Decomposition products may include hydrogen chloride
- Decomposition products may include potassium oxides
- See Section 10

5.3 Advice for firefighters

- Prevent run off water from entering drains if possible
 - Special protective equipment: Wear self-contained breathing apparatus (SCBA). Wear full protective clothing including chemical protection suit.
 - Wear protective clothing as per section 8
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SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Wear protective clothing as per section 8
- Avoid contact with skin and eyes.
- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Wash thoroughly after dealing with spillage
- Eyewash bottles should be available

6.2 Environmental Precautions

- Do not allow to enter public sewers and watercourses
- Avoid release to the environment.
- If polluted water reaches drainage systems or water courses, immediately inform appropriate authorities

6.3 Methods and material for containment and cleaning up

- Wipe up spillage with damp cloth or mop
- To clean the floor and all objects contaminated by this material use water

6.4 Reference to other sections

- See Section 7
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SECTION 7 Handling and storage

7.1 Precautions for safe handling

- Do not get in eyes, on skin, or on clothing.
- Avoid breathing vapours, mist or gas
- Do not eat, drink or smoke when using this product.
- Wash hands thoroughly after using this substance
- Eyewash bottles should be available
- Contaminated clothing should be laundered before reuse

7.2 Conditions for safe storage, including any incompatibilities

- Do not store above -18 °C
- Shelf life 18 months

7.3 Specific end use(s)

- For the qualitative detection of species specific DNA in food stuffs.
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SECTION 8 Exposure controls/personal protection

8.1 Control parameters

- None assigned

8.2 Exposure controls

- Engineering controls should be provided which maintain airborne concentrations below the relevant guidelines
- In case of insufficient ventilation, wear suitable respiratory equipment
- Wear suitable filtering half mask respirator approved to standard EN 149
- The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.
- The selection of a suitable glove depends on work conditions and whether the product is present on its own or in combination with other substances. Breakthrough time is dependent on the characteristics of the brand of glove used and the supplier should be consulted.
- Wear safety glasses approved to standard EN 166.
- Wear suitable protective clothing
- Eyewash bottles should be available



Gloves



Goggles



Suit



Respirator

SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: Liquid, pink
- Odour: Odourless
- pH: 8.0
- Melting point/Range: No information available
- Boiling Point/Range: 100°C
- Flashpoint: No information available
- Evaporation Rate: No information available
- Flammability: No information available
- Vapour Pressure: No information available
- Vapour Density: No information available
- Specific Gravity: Specific gravity (water=1) 1.00
- Solubility in water: Completely soluble in water
- Partition Coefficient (n-Octanol/Water): No information available
- Autoignition Temperature : No information available
- Viscosity: No information available
- Explosive Properties: No information available
- Oxidising Properties: No information available

9.2 Other information

- No information available

SECTION 10 Stability and reactivity

10.1 Reactivity



SECTION 10 Stability and reactivity (....)

- Stable under normal conditions
- 10.2 Chemical stability
- Considered stable under normal conditions
 - Shelf life 18 months
- 10.3 Possibility of hazardous reactions
- No hazardous reactions known if used for its intended purpose
- 10.4 Conditions to avoid
- Keep away from heat and sources of ignition
- 10.5 Incompatible materials
- Incompatible with oxidizing substances
- 10.6 Hazardous Decomposition Products
- Decomposition products may include toxic and irritant fumes
 - Decomposition products may include oxides of nitrogen, sulphur and carbon
 - Decomposition products may include hydrogen chloride
 - Decomposition products may include potassium oxides
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SECTION 11 Toxicological information

11.1 Information on toxicological effects

Acute Toxicity

- No experimental test data available for the mixture
- Based on available data, the classification criteria are not met

Skin corrosion/irritation

- Causes skin irritation.
- Classification based on calculation and concentration thresholds

Serious eye damage/irritation

- Causes serious eye irritation.
- Classification based on calculation and concentration thresholds

Respiratory or skin sensitisation

- No information available

Germ cell mutagenicity

- No evidence of mutagenic effects

Carcinogenicity

- No evidence of carcinogenic effects

Reproductive toxicity

- No evidence of reproductive effects

Specific target organ toxicity (STOT) - single exposure

- May cause respiratory irritation.
- Classification based on calculation and concentration thresholds

Specific target organ toxicity (STOT) - repeated exposure

- No information available

Aspiration hazard

- No information available

Contact with eyes

- Causes redness and irritation

Contact with skin

- Causes redness and irritation

Inhalation

- May cause coughing
- May cause respiratory irritation.

Ingestion



SECTION 11 Toxicological information (....)

- May cause nausea/vomiting
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SECTION 12 Ecological information

12.1 Toxicity

- No information available

12.2 Persistence and degradability

- No information available

12.3 Bioaccumulation Potential

- No information available

12.4 Mobility in soil

- No information available

12.5 Results of PBT and vPvB assessment

- Not a vPvB according to REACH Annex XIII
- Not a PBT according to REACH Annex XIII

12.6 Other Adverse Effects

- No information available
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SECTION 13 Disposal considerations

13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation
- Do not discharge into drains or the environment, dispose to an authorised waste collection point
- Refer to manufacturer/supplier for information on recovery/recycling

13.2 Classification

- Waste Codes in accordance with the European Waste catalogue (EWC) are origin-defined. Since this product is used in several industries, no Waste Code can be provided by the supplier. The Waste Code should be determined in arrangement with your waste disposal partner or the responsible authority.
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SECTION 14 Transport information

Not classified as hazardous for transport

14.1 UN Number

- UN No.: Not applicable

14.2 UN Proper Shipping Name

- Proper Shipping Name: Not applicable

14.3 Transport hazard class(es)

- Hazard Class: Not applicable

14.4 Packing group

- Packing Group: Not applicable

14.5 Environmental hazards

- No information available

14.6 Special precautions for user

- No information available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code



SECTION 14 Transport information (....)

- Not applicable

14.8 Road/Rail (ADR/RID)

- Proper Shipping Name: Not applicable
- ADR UN No.: Not applicable
- ADR Hazard Class: Not applicable
- ADR Packing Group: Not applicable
- Tunnel Code: Not applicable

14.9 Sea (IMDG)

- Proper Shipping Name: Not applicable
- IMDG UN No.: Not applicable
- IMDG Hazard Class: Not applicable
- IMDG Pack Group.: Not applicable

14.10 Air (ICAO/IATA)

- Proper Shipping Name: Not applicable
 - ICAO UN No.: Not applicable
 - ICAO Hazard Class: Not applicable
 - ICAO Packing Group: Not applicable
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SECTION 15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- This Safety Data Sheet is provided in compliance with the EC Directive 1907/2006-453/2010
- Regulation (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation) applies in Europe

15.2 Chemical Safety Assessment

- No information available
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SECTION 16 Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H315: Causes skin irritation. H319: Causes serious eye irritation. H335: May cause respiratory irritation. R36/37/38: Irritating to eyes, respiratory system and skin.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.