

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : PCR DIRECT Extraction Reagent ER1  
Type of product : Analytical reagent  
Product group : Trade product

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

##### 1.2.1. Relevant identified uses

Industrial/Professional use spec : For research use only  
Use of the substance/mixture : Nucleic Acid Release  
Function or use category : Laboratory reagent

##### 1.2.2. Uses advised against

Not for use in diagnostic procedures

#### 1.3. Details of the supplier of the safety data sheet

Arcis Biotechnology Limited  
Suite S07, Techspace One, Sci-Tech Daresbury,  
Keckwick Lane, Cheshire, WA4 4AB  
United Kingdom  
T +4401925 607101  
[info@arcisbio.com](mailto:info@arcisbio.com) - [www.arcisbio.com](http://www.arcisbio.com)

#### 1.4. Emergency telephone number

Emergency number : +44(0)1925 607101 9am – 5pm Monday – Friday  
National Poisons Information Service (Birmingham Centre)  
City Hospital, Dudley Road, Birmingham. U.K.  
+44(0) 344 892 0111 NHS Direct – 0845 4647 or 111

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified as dangerous for supply/use.

#### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) : None  
Signal word (CLP) : None  
Hazard statements (CLP) : None  
Precautionary statements (CLP) : None

#### 2.3. Other hazards

Not known.

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

Full text of H-phrases: see section 16

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## Safety Data Sheet

according to Regulation (EC) No. 453/2010

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures after inhalation : If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable for breathing.

First-aid measures after skin contact : Rinse skin with water.

First-aid measures after eye contact : If in eyes, rinse cautiously with water for at least 15 minutes.

First-aid measures after ingestion : Wash out mouth with water.

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

Symptoms/injuries : None anticipated. Treat symptomatically.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media : As appropriate for surrounding fire.

Unsuitable extinguishing media : None.

#### 5.2. Special hazards arising from the substance or mixture

None anticipated. Heating may cause decomposition.

#### 5.3. Advice for firefighters

None.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Wear suitable gloves if prolonged skin contact is likely.

#### 6.2. Environmental precautions

Do not release large quantities into the surface water or into drains.

#### 6.3. Methods and material for containment and cleaning up

Sweep up spilled substance and remove to safe place.

#### 6.4. Reference to other sections

For further information refer to sections 8 and 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Do not eat, drink or smoke when using this product.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in ambient temperature. Stable under normal conditions.

Incompatible products : None known.

Incompatible materials : None known.

#### 7.3. Specific end use(s)

Laboratory reagent.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No exposure limit value known

#### 8.2. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Materials for protective clothing : Wear suitable working clothes

Hand protection : Not normally required

Eye protection : Not normally required

Skin and body protection : Wear suitable working clothes, normally no skin protection is necessary.

Respiratory protection : Normally no personal respiratory protection is necessary

Environmental exposure controls : Do not release large quantities into the surface water or into drains.

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according to Regulation (EC) No. 453/2010

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless
Odour	: Characteristic
Odour threshold	: No data available
pH	: 6.0 – 7.0
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: 0 °C
Freezing point	: No data available
Boiling point	: > 100 °C
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 1g/cm <sup>3</sup>
Solubility	: Soluble in water.
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Not applicable.
Oxidising properties	: Not classified.
Explosive limits	: No data available

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

None anticipated.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

#### 10.4. Conditions to avoid

None anticipated.

#### 10.5. Incompatible materials

None known.

#### 10.6. Hazardous decomposition products

None known.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

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### SECTION 12: Ecological information

#### 12.1. Toxicity

Toxicity – Aquatic invertebrates	: Low toxicity to invertebrates
Toxicity – Fish	: Low toxicity to fish
Toxicity – Algae	: Low toxicity to algae
Toxicity – Sediment Compartment	: Not classified
Toxicity – Terrestrial Compartment	: Not classified

#### 12.2. Persistence and degradability

Persistence and degradability	Not known
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#### 12.3. Bioaccumulative potential

Bioaccumulative potential	Not known
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#### 12.4. Mobility in soil

Ecology - soil	Not known
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#### 12.5. Results of PBT and vPvB assessment

No additional information available

#### 12.6. Other adverse effects

Additional information : None known.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

### SECTION 14: Transport information

NOT CLASSED AS DANGEROUS FOR TRANSPORT

### SECTION 15: Regulatory information

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

##### 15.1.1. EU-Regulations

Contains no substances with Annex XVII restrictions  
Contains no substance on the REACH candidate list  
Contains no REACH Annex XIV substances

##### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

### SECTION 16: Other information

Full text of H- and EUH-statements:

Hazard Pictogram(s)	None.
Signal Word(s)	None.
Hazard Statement(s)	None.
Precautionary Statement(s)	None.

SDS EU (REACH Annex II)

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