

(In accordance with COMMISSION REGULATION (EU) No 453/2010)

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

### Product identifier

<b>Product code</b>	PA132702
<b>Product name</b>	CHRM2 Antibody
<b>Chemical Name</b>	Not applicable
<b>REACH registration number</b>	No registration number is given yet for this substance / substances in this mixture since the annual import quantity is less than one tonnage per annum or the transition period for its registration according to Article 23 of REACH has not yet expired.

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

<b>Relevant identified uses</b>	Use as laboratory reagent, Scientific research and development
<b>Use Description Code</b>	Not Available
<b>Uses advised against</b>	Not for consumer use.

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

#### Manufacturer/Supplier

LIFE TECHNOLOGIES EUROPE BV  
 KWARTSWEG 2  
 2665 NN BLEISWIJK  
 NETHERLANDS  
 31-(0)180 392 400  
 Email: MSDS@lifetech.com

Thermo Fisher Scientific  
 Pierce Biotechnology  
 P.O. Box 117  
 Rockford, IL 61105  
 United States  
 1.815.968.0747 or  
 1.800.874.3723

**24 hour Emergency Response:** 866-536-0631  
 301-431-8585  
 Outside of the U.S. ++1-301-431-8585

### Country specific Emergency Number (if available): , , , ,

CHEMTREC Ireland (Dublin)	+(353)-19014670 (Greeting Language: English and Irish)
CHEMTREC UK (London)	+(44)-870-8200418 (Greeting Language: English)

## SECTION 2: Hazards identification

### Classification of the substance or mixture

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

#### Physical hazards

Not classified

#### Health hazards

Not classified

#### Environmental Hazards

Not classified

### Additional information

Not applicable

### Label elements

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

#### Hazard pictograms

No Pictogram

#### Signal word

None

#### hazard statements

Not applicable

#### Precautionary Statements

Not applicable

#### Other Hazards

This mixture does not contain any substances that are assessed to be a PBT or a vPvB

## SECTION 3: Composition/information on ingredients

The product contains no substances which at their given concentration, are considered to be hazardous to health.

## SECTION 4: First aid measures

### Description of first aid measures

<b>Skin contact</b>	Rinse with plenty of water. Immediate medical attention is not required.
<b>Eye contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
<b>INGESTION</b>	Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.
<b>Inhalation</b>	Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.
<b>Notes to Physician</b>	Treat symptomatically.

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

Not applicable.

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

None.

## SECTION 5: Firefighting measures

### Extinguishing media

**Suitable Extinguishing Media**  
**Unsuitable Extinguishing Media**

Water spray. Carbon dioxide (CO<sub>2</sub>). Foam. Dry chemical.  
No information available.

**Special hazards arising from the substance or mixture** Not known.

### Advice for fire-fighters

Standard procedure for chemical fires.

## SECTION 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Always wear recommended Personal Protective Equipment. Use personal protection equipment. See Section 8 for more detail.

### Environmental precautions

No special environmental precautions required.

### Methods and material for containment and cleaning up

Soak up with inert absorbent material.

### Reference to other sections

See section 8 for more information.

## SECTION 7: Handling and storage

### Precautions for safe handling

Use personal protective equipment as required. No special handling advices are necessary.

### Conditions for safe storage, including any incompatibilities

Keep in a dry, cool and well-ventilated place. Keep in properly labelled containers.

### Specific end use(s)

Use as laboratory reagent. Scientific research and development.

## Control parameters

### Exposure Limits

Exposure Limits Contains no substances with occupational exposure limit values.

**Engineering measures** Ensure adequate ventilation, especially in confined areas.

## Exposure controls

### Personal protection equipment

**Respiratory protection** In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.

**Hand Protection** Wear suitable gloves Glove material: Compatible chemical-resistant gloves.

**Eye protection** Tight sealing safety goggles.

**Skin and body protection** Wear suitable protective clothing.

**Hygiene measures** Handle in accordance with good industrial hygiene and safety practice.

### Environmental exposure controls

No special environmental precautions required.

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

<b>Appearance</b>	Liquid	
<b>Odour</b>	no data available	
<b>pH</b>	6-8	
<b>Melting point / melting range</b>	°C Mixture has not been tested	°F Mixture has not been tested
<b>Boiling point / boiling range</b>	°C Mixture has not been tested	°F Mixture has not been tested
<b>Flash point</b>	°C Mixture has not been tested	°F Mixture has not been tested
<b>Autoignition temperature</b>	°C Mixture has not been tested	°F Mixture has not been tested
<b>Decomposition temperature</b>	°C Mixture has not been tested	°F Mixture has not been tested
<b>Evaporation rate</b>	no data available	
<b>Flammability (solid, gas)</b>	no data available	
<b>Upper explosion limit</b>	Mixture has not been tested	
<b>Lower explosion limit</b>	Mixture has not been tested	
<b>Vapour Pressure</b>	Mixture has not been tested	
<b>Relative density</b>	Mixture has not been tested	
<b>Specific gravity</b>	no data available	
<b>Solubility</b>	no data available	
<b>Partition coefficient: n-octanol/water</b>	no data available	
<b>Explosive properties</b>	Mixture has not been tested	
<b>OTHER INFORMATION</b>	no data available	

## SECTION 10: Stability and reactivity

<b>Reactivity</b>	None known.
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous reaction has not been reported.
<b>Conditions to Avoid</b>	No information available.
<b>Incompatible Materials</b>	No dangerous reaction known under conditions of normal use.
<b>Hazardous decomposition products</b>	no data available.

## SECTION 11: Toxicological information

### Information on toxicological effects

There is no evidence available indicating acute toxicity.

### Principle Routes of Exposure, Potential health effects

<b>Irritation</b>	Conclusive but not sufficient for classification
<b>Corrosivity</b>	Conclusive but not sufficient for classification
<b>Sensitisation</b>	Conclusive but not sufficient for classification
<b>STOT - Single Exposure</b>	Conclusive but not sufficient for classification
<b>STOT - Repeated Exposure</b>	Conclusive but not sufficient for classification
<b>Carcinogenicity</b>	Conclusive but not sufficient for classification
<b>Mutagenicity</b>	Conclusive but not sufficient for classification
<b>Reproductive toxicity</b>	Conclusive but not sufficient for classification

## SECTION 12: Ecological information

### Toxicity

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

**Persistence and degradability** No information available.

**Bioaccumulative potential** No information available.

### Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

**Other adverse effects** No information available.

## SECTION 13: Disposal considerations

### Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in accordance with approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations.

## SECTION 14: Transport information

### IATA / ADR / DOT-US / IMDG

Not classified as dangerous in the meaning of transport regulations.

**UN Number** Not applicable

**UN proper shipping name** Not applicable

**Transport hazard class(es)** Not applicable

**Packing group** Not applicable

**Environmental Hazards** Not applicable

**Special precautions for user** Not applicable

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

## SECTION 15: Regulatory information

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

#### Substances of Very High Concern

None.

#### Restricted substances under EC 1907/2006, Annex XVII

None.

#### Substances listed under Annex I of Regulation (EC) No 689/2008

None.

#### Restricted substances under Annex V of Regulation (EC) No 689/2008

None.

#### Substances under Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC

None.

#### German Water hazard classes (Wassergefährdungsklassen)

Not classified.

#### Other International Inventories

#### Chemical Safety Assessment

No Chemical safety assessment has been carried out.

## SECTION 16: Other information

### Reason for revision

Update according to Commission Regulation (EU) No 453/2010.

### Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

"The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS SDS DOES NOT CONSTITUTE A WARRENTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PUPOSE"