



# Safety Data Sheet

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)  
Classification according to Regulation (EC) No. 1272/2008 [CLP]

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

### 1.1. Product identifier

<b>Product Name</b>	PACE® / PACE2.0/ PACE-IR/ PACE Multiplex/ PACE-RT
<b>Product Number(s)</b>	001-0001, 001-0002, 001-0003, 001-0004, 001-0005, 001-0006, 001-0007, 001-0008, 001-0009, 001-0010, 001-0011, 001-0012, 001-0013, 001-0014, 001-0015, 001-0016, 001-0017, 001-0018 003-0001, 003-0002, 003-0003, 003-0004, 003-0005, 003-0006, 003-0007, 003-0008, 003-0009, 003-0010, 003-0011, 003-0012, 003-0013, 003-0014, 003-0015, 003-0016, 003-0017, 003-0018 004-0001, 004-0002, 004-0003, 004-0004, 004-0005, 004-0006, 004-0007, 004-0008, 004-0009, 004-0010, 004-0011, 004-0012, 004-0013, 004-0014, 004-0015, 004-0016, 004-0017, 004-0018 007-0001, 007-0002, 007-0003, 007-0004, 007-0005, 007-0006, 007-0007, 007-0008, 007-0009, 007-0010, 007-0011, 007-0012, 007-0013, 007-0014, 007-0015, 007-0016, 999-205, 999-504 RT-PACE-01, RT-PACE-02, RT-PACE-03, RT-PACE-04, RT-PACE-05, RT-PACE-06
<b>Unique Formula Identifier (UFI)</b>	Not Applicable
<b>Chemical name</b>	Not Applicable
<b>REACH registration N°</b>	No registration number is given yet for this substance / substances in this mixture since the annual report 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

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

<b>Relevant uses</b>	DNA testing. For research purposes only
<b>Use description code</b>	SU24 – Scientific Research & Development PC21 – Laboratory chemicals PROC15 – Use as a laboratory reagent
<b>Uses advised against</b>	Not for consumer use

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

<b>Manufacturer</b>	3CR Bioscience Ltd, Unit 10, West Point Business Park, West Road, Harlow, Essex CM20 2BU, United Kingdom
<b>Technical Services</b>	<a href="mailto:support@3crbio.com">support@3crbio.com</a>

**1.4. Emergency telephone number**

**Emergency telephone number** +44 (0)1279 940 983 Mon-Fri : 9am - 5pm (GMT)

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture**

Classification of substance	Classification according to Regulation (EC) No. 1272/2008. The product is not classified according to the CLP regulation
Physical hazards	Not hazardous
Health hazards	Not hazardous
Environmental hazards	Not hazardous
Classification	Not hazardous
Additional information	Not applicable

**2.2. Label elements**

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

Hazard pictograms	None
Signal Word	None
Hazard Statements	Not Applicable
EU Specific Hazard Statements	Not Applicable

**Precautionary Statements**

Prevention	Not Applicable
Response	Not Applicable
Storage	Not Applicable
Disposal	Not Applicable

Other hazards Not Applicable

**SECTION 3: Composition/information on ingredients****Mixtures**

We recommend handling all chemicals with caution.

<b>Chemical Name</b>	Glycerol
<b>CAS No</b>	56-81-5
<b>EINECS-No.</b>	200-289-5
<b>Weight-%</b>	10-25%
<b>REACH registration number</b>	01-2119471987-18-XXXX
<b>Classification according to Regulation (EC) No. 1272/2008 [CLP]</b>	Not classified
<b>Specific concentration limit (SCL)</b>	-
<b>M-Factor</b>	-
<b>Acute Toxicity Estimate</b>	-

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

Skin contact	Rinse with plenty of water. Immediate medical attention not required
Eye contact	Rinse gently with water for several minutes Immediate medical attention not required
Ingestion	Not expected to present a significant ingestion hazard under anticipated conditions of normal use If unwell, seek medical advice
Inhalation	Not expected to be an inhalation hazard under anticipated conditions of normal use Seek medical advice if necessary

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

Symptoms	No information available.
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### 4.3. Indication of any immediate medical attention and special treatment needed

Notes to physician	Treat symptomatically
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	Water spray. Carbon dioxide (CO <sub>2</sub> ). Dry chemical.
Unsuitable extinguishing media	No information available.

5.2 Special hazards arising from the substance or mixture	Not known
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5.3 Advice for firefighters	Standard procedure for chemical fires.
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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment & emergency procedures

Personal precautions	Ensure adequate ventilation Always wear Personal Protective Equipment Use personal protection equipment See Section 8 for more information
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### 6.2 Environmental precautions

Environmental precautions	No special environmental precautions required Avoid discharge into drains and waterways whenever possible.
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### 6.3. Methods and material for containment and cleaning up

#### Methods and materials for containment and cleaning up

Prevent further leakage or spillage if safe to do so.

Soak up with inert absorbent material

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**6.4. Reference to other sections**

<b>Reference to other sections</b>	See section 8 for more information. See section 13 for more information.
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**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

<b>Advice on handling</b>	Use personal protective equipment as required No special handling advices necessary
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**7.2 Conditions for safe storage, including any incompatibilities**

<b>Storage Conditions</b>	Store according to product and label instructions.
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**7.3 Specific end use(s)**

For research use only

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Exposure Limits**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Biological occupational exposure Limits**

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

<b>Derived No Effect Level (DNEL)</b>	No information available.
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<b>Predicted No Effect Concentration (PNEC)</b>	No information available.
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**8.2. Exposure controls****Personal protection equipment**

<b>Respiratory protection</b>	In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.
<b>Hand protection</b>	Wear suitable gloves Glove material: Compatible chemical-resistant gloves. The protective gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the related standard EN374
<b>Eye protection</b>	Tight sealing safety goggles.
<b>Skin and Body Protection</b>	Wear suitable protective clothing.
<b>Hygiene Measures</b>	Handle in accordance with good industrial hygiene and safety practice.
<b>Environmental exposure controls</b>	No special environmental precautions required. Avoid discharge into drains and waterways whenever possible.

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<b>SECTION 9: Physical and chemical properties</b>
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**Information on basic physical and chemical properties**

<b>Physical state</b>	Liquid
<b>Colour</b>	No data
<b>Odour</b>	No data
<b>Molecular Weight</b>	No data
<b>pH</b>	7-8.5
<b>Melting point/range</b>	°C/°F mixture has not been tested
<b>Boiling point/range</b>	°C/°F mixture has not been tested
<b>Flash point</b>	°C/°F mixture has not been tested
<b>Autoignition temp.</b>	°C/°F mixture has not been tested
<b>Decomposition temp.</b>	°C/°F mixture has not been tested
<b>Flammability (solid, gas)</b>	No data
<b>Lower explosion limit</b>	No data
<b>Upper explosion limit</b>	No data
<b>Evaporation rate</b>	No data
<b>Viscosity</b>	No data
<b>Solubility</b>	No data
<b>Partition coefficient:</b>	No data
<b>n-octanol/water</b>	
<b>Vapour Pressure</b>	No data
<b>Specific gravity</b>	No data
<b>Relative density</b>	No data
<b>Vapour density</b>	No data
<b>Explosive properties</b>	No data
<b>Oxidising properties</b>	No data
<b>Particle characteristics</b>	No data

Other information

**Information with regards to physical hazard classes**

No information available

**Other safety characteristics**

No information available

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## SECTION 10: Stability and reactivity

<b>Reactivity</b>	None known
<b>Chemical stability</b>	Stable under normal conditions
<b>Hazardous reactions</b>	None reported
<b>Conditions to avoid</b>	No information available
<b>Incompatible materials</b>	No dangerous reactions known under normal use conditions
<b>Hazardous decomposition products</b>	No data available

## SECTION 11: Toxicological information

### Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### 11.1 Principal Routes of Exposure

<b>Skin corrosion/irritation</b>	Data are conclusive but insufficient for classification
<b>Serious eye damage/irritation Sensitisation</b>	Data are conclusive but insufficient for classification
<b>Respiratory or skin</b>	Data are conclusive but insufficient for classification
<b>Specific target organ toxicity (STOT) – single exposure</b>	Data are conclusive but insufficient for classification
<b>Specific target organ toxicity (STOT) – repeated exposure</b>	Data are conclusive but insufficient for classification
<b>Carcinogenicity</b>	Data are conclusive but insufficient for classification
<b>Germ cell mutagenicity</b>	Data are conclusive but insufficient for classification
<b>Reproductive Toxicity</b>	Data are conclusive but insufficient for classification
<b>Aspiration Hazard</b>	Data are conclusive but insufficient for classification

#### 11.2. Information on other hazards

##### 11.2.1. Endocrine disrupting properties

**Endocrine disrupting properties** No information available.

##### 11.2.2. Other information

**Other adverse effects** No information available.

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## SECTION 12: Ecological information

### 12.1. Toxicity

<b>Ecotoxicity</b>	The environmental impact of this product has not been fully investigated.
<b>Unknown aquatic toxicity</b>	Contains 0 % of components with unknown hazards to the aquatic environment.

### 12.2. Persistence and degradability

<b>Persistence and degradability</b>	No information available.
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### 12.3. Bioaccumulative potential

<b>Bioaccumulation</b>	There is no data for this product.
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### 12.4. Mobility in soil

<b>Mobility in soil</b>	No information available.
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### 12.5. Results of PBT and vPvB assessment

<b>PBT and vPvB assessment</b>	No information available.
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### 12.6. Endocrine disrupting properties

<b>Endocrine disrupting properties</b>	No information available.
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<b>12.7. Other adverse effects</b>	No information available.
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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

<b>Waste from residues/unused products</b>	Disposal of this product should comply with the local, regional and or national/federal regulations Dispose of waste in accordance with environmental legislation.
<b>Contaminated packaging</b>	Do not reuse empty containers

## SECTION 14: Transport information

Not classed as a dangerous good

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

Not regulated in the meaning of transport regulations

<b>UN number or ID number</b>	Not Applicable
<b>UN proper shipping name</b>	Not Applicable
<b>Transport hazard class(es)</b>	Not Applicable

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**Packing group** Not Applicable

**Special precautions for user** Not Applicable

**Maritime transport in bulk according to IMO instruments**

Not Applicable.

## SECTION 15: Regulatory information

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

**Substances of Very High Concern**

None

**Substance subject to authorisation per REACH Annex XIV**

None

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

None

**Persistent Organic Pollutants**

Not applicable

**Ozone-depleting substances (ODS) regulation (EC) 1005/2009**

Not applicable

**German Water hazard classes (Wassergefährdungsklassen)**

**Chemical Name Weight-% Water hazard class (WGK)**

Glycerin 10-30 hazard class 1 - slightly hazardous to water

**Chemical safety assessment**

No Chemical safety assessment has been carried out.

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## SECTION 16: Other information

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

Not classified

**This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006 COMMISSION REGULATION (EU) 2020/878 amending Annex II to Regulation (EC) No 1907/2006**

### References

- ECHA: <http://echa.europa.eu/>
- TOXNET: <http://toxnet.nlm.nih.gov/>
- eChemPortal: <http://www.echemportal.org/>
- LOLI database: <https://www.chemadvisor.com/loli-databas>

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**Abbreviations and acronyms**

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**IATA** - International Air Transport Association

**DOT** - Department of Transportation

**IMDG** - International Maritime Dangerous Goods

**Disclaimer**

The above information is to be used as a guide only

All materials and mixtures may present unknown hazards and should be used with caution

The company shall not be held liable for any losses resulting from the handling or from contact with the product as described herein, as the company cannot control the actual methods, volumes, or conditions of use

The information above does not constitute a warranty, expressed or implied, including any implied warranty of merchantability or fitness for any particular purpose

**End of Safety Data Sheet**

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