

## SAFETY DATA SHEET

This Safety Data Sheet contains information concerning the potential risks to those involved in handling, transporting and working with this material, as well as describing potential risks to the environment. This information must be made available to those who may come into contact with the material or are responsible for the use of the material.

This Safety Data Sheet is prepared in accordance with formatting described in the REACH Regulation (EC) No 1907/2006, in CLP Regulation (EC) No 1272/2008 and in Annex I of Commission Regulation (EU) No 2015/830.

### SECTION 1. Identification of the substances/mixture and of the company/undertaking

#### 1.1 Product Identifier

Product Name: **Pro-cult**  
Product Number: **All strains of Pro-cult**  
Brand: **TCS Biosciences**

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

Identified uses: For professional microbiology use only.

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

Company: TCS Biosciences Ltd  
Botolph Claydon, Buckingham,  
MK18 2LR, UK  
Telephone: +44 (0) 1296 714222  
Email address: [sales@tcsgroup.co.uk](mailto:sales@tcsgroup.co.uk)  
Web address: [www.tcsbiosciences.co.uk](http://www.tcsbiosciences.co.uk)

#### 1.4 Emergency telephone number

24hr contact number: +44 (0)1296 711205

### SECTION 2. Hazards Identification

#### 2.1 Classification of the substance or mixture

Classification in accordance with the Classification Labelling and Packaging Regulation (EC) No 1272/2008:

This mixture is not classified as hazardous according to regulation (EC) No.1272/2008

This product contains no hazardous constituents, or the concentrations of all chemical constituents are below the regulatory thresholds.

Although classed as non-hazardous, contains viable potentially pathogenic organisms. This product should be handled according to good laboratory practice.

#### 2.2 Label Elements

This product is not considered hazardous and is not required to be labelled in accordance with EC directives or respective national laws.

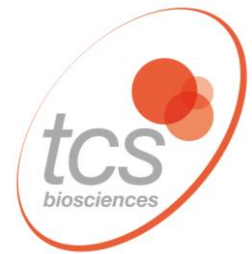
#### 2.3 Other hazards: none

### SECTION 3. Composition/Information on Ingredients

#### 3.2 Mixtures

Synonyms:

Form: Solid freeze dried pellets approx. 1-2 mm in height, 5 mm diameter containing viable, potentially pathogenic, micro-organisms. In accordance with CLP (EC) No. 1272/2008.



#### SECTION 4. First Aid Measures

##### 4.1 Description of first aid measures

Get medical advice if you feel unwell. Show this safety sheet to doctor/physician in attendance.

##### If inhaled

IF INHALED: Seek immediate medical advice quoting the organism inhaled.

##### In case of skin contact

IF ON SKIN (or hair):

Wash the affected area immediately and disinfect with antiseptic.

##### In case of eye contact

IF IN EYES: Rinse thoroughly with water/eyewash for several minutes Seek immediate medical advice quoting the name of the organism.

##### If swallowed

Seek immediate medical advice quoting the organism ingested.

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

No data available.

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

No data available.

#### SECTION 5. Fire-Fighting Measures

##### 5.1 Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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

Nature of decomposition products not known.

##### 5.3 Precautions for fire-fighters

Wear self-contained breathing apparatus, where appropriate.

##### 5.4 Further information

The product itself does not burn.

#### SECTION 6. Accidental Release Measures

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

Avoid contact with skin and eyes. Wear suitable protective clothing, gloves and eye protection.

##### 6.2 Environmental precautions

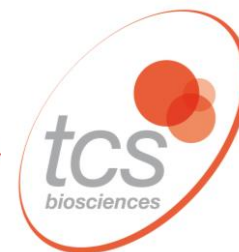
Avoid discharge into the environment.

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

If a breakage of the vial or spillage of the discs occurs, isolate the area and any packaging that may be infected. The infected area should be made safe by a person trained in the safe disinfection and disposal of pathogenic microorganisms.

##### 6.4 Reference to other sections

For disposal refer to section 13.



## SECTION 7. Handling and Storage

### 7.1 Precautions for safe handling

All Selectrol strains are in Hazard group 1 or 2. Therefore we recommend that all strains are handled in at least Category 2 containment facilities. Avoid contact with eyes and skin. Wear appropriate personal protective equipment provided. Wash hands thoroughly after handling. Do not eat or drink when handling product.

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

Store at -20°C to 8°C or -30°C to -15°C, as shown on the label.  
The vials should be handled carefully and stored in a manner to minimise the risk of accidental breakage.

### 7.3 Specific end uses

Recommend - restriction to professional microbiology users only.

## SECTION 8. Exposure Controls//Personal Protection

### 8.1 Control parameters

#### Components with workplace control parameters

Selectrol discs contain viable micro-organisms that can cause disease in humans. As such they must only be used by personnel trained in microbiological techniques.

### 8.2 Exposure controls

#### Appropriate engineering controls

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits.

#### Personal protective equipment

##### Eye/face protection

Avoid contact with eyes. Where appropriate use equipment for eye protection complying with appropriate government standards such as NIOSH (US) or EN166 (EU).

##### Skin Protection

Handle with gloves. Inspect gloves prior to use to ensure adequate protection. Use proper glove removal technique to avoid skin contact with substance/mixture. Dispose of contaminated gloves after use in accordance with local and national applicable laws and good laboratory practises. Wash and dry hands thoroughly after handling.

##### Body Protection

Wear appropriate impervious personal protective equipment provided as per general industrial hygiene practice and good laboratory practices.

##### Respiratory protection

Surgical mask may be required.

## SECTION 9. Physical and Chemical Properties

This product has not been tested. Judgements on the physical/chemical properties of this product have been made based upon consideration of its major components.

### 9.1 Information on basic physical and chemical properties

a) Appearance Form:	<b>Solid freeze dried pellets</b>
b) Odour:	No data available
c) Odour Threshold:	No data available
d) pH	No data available
e) Melting/freezing point/range:	No data available
f) Initial boiling point /boiling range:	No data available
g) Flash point:	No data available

- h) Evaporation rate: No data available
- i) Flammability (solid, gas): No data available
- j) Upper/lower flammability limits: No data available
- k) Vapour pressure: No data available
- l) Vapour density: No data available
- m) Relative density: No data available
- n) Solubility at 20°C: Water No data available  
Fat No data available
- o) Partition coefficient: No data available
- p) Autoignition temperature: No data available
- q) Decomposition temperature: No data available
- r) Viscosity: No data available
- s) Explosive properties: No data available
- t) Oxidizing properties: Not an oxidiser

## 9.2 Other information

- Particle Size** No data available

## SECTION 10. Stability and Reactivity

Stable under normal conditions. See expiry date on the label for stability under normal storage conditions.

- 10.1 Reactivity** No known specific chemical incompatibilities.
- 10.2 Chemical stability** No data available
- 10.3 Possibility of hazardous reactions** No data available
- 10.4 Conditions to avoid** No data available
- 10.5 Incompatible materials** No data available
- 10.6 Hazardous decomposition products** No data available

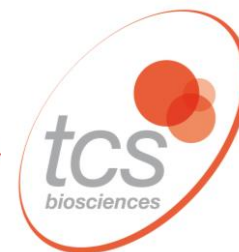
## SECTION 11. Toxicological Information

### 11.1 Information on toxicological effects

This product has not been tested. Judgements on the expected toxicity of this product have been made based upon consideration of its major components.

#### Toxicokinetics

- (a) Acute toxicity No data available
- (b) Skin corrosion/irritation No data available
- (c) Serious eye damage/ eye irritation No data available
- (d) Respiratory or skin sensitization No data available
- (e) Germ cell mutagenicity No data available
- (f) Carcinogenicity No data available
- Tumourigenic **RTECS criteria:** No data available
- IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC or EC.
- (g) Reproductive toxicity No data available
- (h) STOT Specific target organ toxicity  
- single exposure No data available
- (i) STOT Specific target organ toxicity  
- repeated exposure No data available
- (j) Aspiration hazard No data available



**Potential health effects**

**Inhalation** May be harmful if inhaled.  
**Ingestion** May be harmful if swallowed.  
**Skin** May be harmful if absorbed through skin. May cause skin irritation and/or dermatitis.  
**Eyes** May be harmful if in contact with eyes. May cause eye irritation.

**Signs and Symptoms of Exposure**

Possible infection causing symptoms associated with the strain, May cause severe illness or death in susceptible individuals.

**Additional Information**

**RTECS:** No data available

**SECTION 12. Ecological Information**

This product has not been tested. Judgements on the expected ecotoxicity of this product have been made based upon consideration of its major components.

- 12.1 Toxicity** All Selectrol discs are potentially hazardous and can cause symptoms associated with the strain
- 12.2 Persistence and degradability** No data available.
- 12.3 Bioaccumulative potential** Adverse ecological effects cannot be excluded in the event of improper handling or disposal.
- 12.4 Mobility in soil** No data available
- 12.5 Results of PBT and vPvB assessment** No data available
- 12.6 Other adverse effects** No data available

**SECTION 13. Disposal Considerations**

- 13.1 Waste treatment methods**  
**Product** All exposed discs, contaminated packaging and broken glass should be placed in a suitable container and either incinerated or autoclaved at 121°C for 30 mins  
**Contaminated Packaging** Dispose of as unused product.

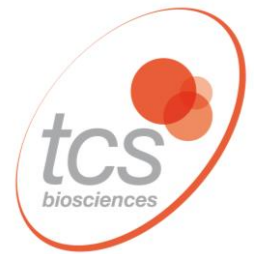
**SECTION 14. Transport Information**

Not regulated as dangerous goods under ADR/RID, IMDG, or IATA

	<b>ADR/RID</b>	<b>IMDG</b>	<b>IATA</b>
<b>14.1 UN-Number</b>	3373	3373	3373
<b>14.2 UN proper shipping name</b>	Biological	Substance. Category B	
<b>14.3 Transport hazard class(es)</b>	6.2	6.2	6.2
<b>14.4 Packing group</b>	n/a	n/a	n/a
<b>14.5 Environmental hazards</b>	No	Marine pollutant: No	No
<b>14.6 Special precautions for users</b>	No data available		
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	No data available		

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accuracy and quality as a science



## SECTION 15. Regulatory information

This Safety Data Sheet complies with the requirements of Regulations; (EC) No 1907/2006, (EU) No 2015/830 and (EC) No. 1272/2008

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
No data available.

**15.2 Chemical Safety Assessment**  
A Chemical Safety Assessment has not been carried out for this product.

## SECTION 16. Other information

### Further information

The information herein is provided in good faith and is correct to the best of our knowledge but makes no representation as to its completeness or accuracy. This safety data sheet is intended for use only as a guide for the appropriate precautionary handling of material by suitably trained persons. TCS Biosciences Ltd shall not be held liable for any loss, injury or damage which may result from its use.

Version 1 created 16.07.2013

Version 2 created 15.08.2019, update and removal of classification and labelling according to Directive 1999/45/EEC & 67/548/EEC

Pro-cult MM end