

## 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 and described in CLP Regulation (EC) No 1272/2008.

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

#### 1.1 Product Identifier

Product Name: **ProReveal Spray - Fluorescent Protein Detection**  
Product Number: **Spray PROREV-SPR-100**  
Brand: **Synoptics Health Ltd.**  
IUPAC name: not determined

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

Identified uses: For professional use only

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

Company: Peskett Solutions Ltd  
Unit 4 Brampton Business Park  
55 Brampton Road  
Eastbourne  
East Sussex. UK  
Telephone: +44 (0) 1323 511038  
Fax: +44 (0) 1323 503247  
Email address: [support@proreveal.co.uk](mailto:support@proreveal.co.uk)

#### 1.4 Emergency telephone number

Contact number: +44 (0) 1323 511038 (UK office hours only)

### 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

#### 2.2 Label Elements

This mixture 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: none

Form: Liquid

No components need to be listed according to Regulation (EC) No. 1907/2006 (REACH)

## SECTION 4. First Aid Measures

### 4.1 Description of first aid measures

If exposed keep patient calm and seek immediate medical advice where irritation persists. Have product container or label at hand. Show this safety data sheet to doctor/physician in attendance.

#### If inhaled

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Get medical advice/attention.

#### In case of skin contact

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Wash contaminated clothing before reuse.

#### In case of eye contact

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 swallowed

Do NOT induce vomiting. Rinse out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical advice/attention if irritation persists.

### 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 water spray, alcohol-resistant foam, dry chemical powder or carbon dioxide.

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

No data available.

### 5.3 Precautions for fire-fighters

Wear self-contained breathing apparatus, where appropriate.

### 5.4 Further information

No data available.

## 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/face protection. Evacuate personnel to safe area.

### 6.2 Environmental precautions

Do not let undiluted product or large quantities enter drains or water course. Inform responsible authorities as appropriate.

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

Absorb any spilled liquid with appropriate absorbent. Using brush sweep up and shovel carefully into suitably labelled closed containers for disposal according to local regulations. Wash spillage site with water and appropriate detergent.

### 6.4 Reference to other sections

For disposal refer to section 13.

## SECTION 7. Handling and Storage

### 7.1 Precautions for safe handling

Ensure adequate ventilation. Wear appropriate personal protective equipment provided. Avoid formation of dust and aerosols. Avoid prolonged or repeated exposure.

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

Store in the dark at 2 - 8° C.

### 7.3 Specific end uses

Recommended restriction to professional users only.

## SECTION 8. Exposure Controls//Personal Protection

### 8.1 Control parameters

#### Components with workplace control parameters

TWA Time Weighted Average Concentration (Long Term Exposure Limit)

STEL Short Term Exposure Limit

LTEL Long Term Exposure Limit

| Component            | CAS-no    | Value   | Control Parameters  | Basis                                 |
|----------------------|-----------|---|---|---------------------------------------|
| Methanol             | 67-56-1   | TWA STEL UK – 15min<br>TWA LTEL UK – 8h<br>TWA LTEL Europe 8h | 250 ppm 333 mg/m <sup>3</sup><br>200ppm 266 mg/m <sup>3</sup><br>200ppm 260 mg/m <sup>3</sup> | UK.EH40 WEL- Workplace Exposure limit |
| Disodium tetraborate | 1303-96-4 | TWA LTEL UK – 8h  | 5mg/m <sup>3</sup>  | UK.EH40 WEL- Workplace Exposure limit |

Methanol can be absorbed through the skin.

### 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 exposure to liquid splashes mists or vapours. Use face shield and/or safety glasses for eye protection complying with appropriate government standards such as 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. The selected protective gloves have to satisfy the specifications of the EU Directive 89/686/EEC and the standard EN 374 derived from it.

##### Body Protection

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



## 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 (Methanol)                                  | LDLo Oral – human 300mg/kg<br>LCLo Inhalation - monkey - 1000 ppm - 4h<br>LDLo Dermal - monkey - 393 mg/kg |
| (Sodium EDTA)  | LD50 Oral - Rat - > 2,000 mg/kg  |
| (Phthalaldehyde)   | LD50 Oral - Rat - 178 mg/kg  |
| (Dithiothreitol)   | LD50 Oral - Rat - 400 mg/kg  |
| (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 <b>RTECS criteria:</b>                            | No data available  |
| <b>IARC:</b>   | No data available  |
| (g) Reproductive toxicity                                      | No data available  |
| (h) STOT Specific target organ toxicity<br>- single exposure   | No data available  |
| (i) STOT Specific target organ toxicity<br>- repeated exposure | No data available  |
| (j) Aspiration hazard  | No data available  |

#### Potential health effects

|                   |   |
|-------------------|---|
| <b>Inhalation</b> | May be harmful if inhaled. May cause respiratory tract irritation.                    |
| <b>Ingestion</b>  | May be harmful if swallowed.  |
| <b>Skin</b>       | May be harmful if absorbed through skin. May cause skin irritation and/or dermatitis. |
| <b>Eyes</b>       | May be harmful if in contact with eyes. May cause eye irritation.                     |

#### Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

#### 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.

|  |   |
|--|---|
| <b>12.1 Toxicity</b>                           | The mixture contains components which are toxic however the resulting EC/LC50 calculation is not significant.                 |
| <b>12.2 Persistence and degradability</b>      | No data available.  |
| <b>12.3 Bioaccumulative potential</b>          | Do not let undiluted product or large quantities enter drains or water course. Inform responsible authorities as appropriate. |
| <b>12.4 Mobility in soil</b>                   | No data available   |
| <b>12.5 Results of PBT and vPvB assessment</b> | No data available   |
| <b>12.6 Other adverse effects</b>              | No data available   |

## SECTION 13. Disposal Considerations

### 13.1 Waste treatment methods

|                               |  |
|-------------------------------|--|
| <b>Product</b>                | Offer surplus. Dispose of non-recyclable substances via a licensed waste material processor. |
| <b>Contaminated Packaging</b> | 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>  | n/a               | n/a                  | n/a         |
| <b>14.2 UN proper shipping name</b>  | n/a               | n/a                  | n/a         |
| <b>14.3 Transport hazard class(es)</b>   | n/a               | n/a                  | n/a         |
| <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 |                      |             |

## SECTION 15. Regulatory information

This Safety Data Sheet complies with the requirements of Regulation 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. Synoptics Health Ltd shall not be held liable for any loss, injury or damage which may result from its use .

Version 1 created 06.07.2017

V2 created 6.7.2017, change to product classification.

V3 created 1.9.2017, change to product classification.

V4 created 13.9.2017, change to product classification, changes to product title and code.

V5 created 25.01.2018, removal of nonessential details in sections 3.2 and 16.

V6, created 02.05.2018, amendments to various sections as a result of product reformulation.

V7, created 01.03.2021, change of product manufacturer.

V8, created 28.04.2021, change of ProReveal ownership

ProReveal spray end