



# **MATERIAL SAFETY DATA SHEET (MSDS)**

## **Range of Products:**

**PFX-BUBBLE-RW**

**Bubble Fluid**

**(Ready To Use, Reduced Wetting Grade)**

## 1 – IDENTIFICATION OF PRODUCT & COMPANY

### 1.1 Identification of product:

Product Name: PULSE BUBBLE FLUID, REDUCED WETTING

Synonyms: PFX-BUBBLE-RW, Reduced Wetting Bubble fluid (RTU)

Use: Fluid used for creating artificial water bubbles which are used in applications such as shows or professional entertainment.

### 1.2 Identification of company:

PULSE Premier Farnell PLC  
150 Armley Road  
LEEDS  
LS12 2QQ

Telephone: +44 (0)870 129 8608

Email: [info@pulse-audio.co.uk](mailto:info@pulse-audio.co.uk)  
WEB: [www.pulse-audio.co.uk](http://www.pulse-audio.co.uk)

**In case of emergency: +44 (0)8447 88 00 88**

## 2 – HAZARD IDENTIFICATIONS

2.1 Avoid eye contact

## 3 – COMPOSITION / COMPONENTS INFORMATION

3.1 Components or impurities: None

3.2 Chemical nomenclature: Amphoteric Surfactant (<3%), Natural Glycerin, Cellulose thickener (<0.5%) and demineralised water, Glycol (<0.5%).

## 4 – FIRST AID MEASURES

4.1 **Skin contact:** Rinse the skin with clean water

4.2 **Eye contact:** Irrigate thoroughly with clean water for at least 15 minutes

4.3 **Ingestion:** Drink plenty of clean water and call a doctor if necessary

## 5 – FIRE FIGHTING MEASURES

5.1 Extinction ways: Water based foam

5.2 Fire or explosion dangers: None

5.3 Appropriated measures against fire: Avoid oxidants

## 6 – ACCIDENTAL RELEASE MEASURES

6.1 Do not release any product into water course or drainage to protect the environment

## 7 – HANDLING & STORAGE

7.1 Keep the products closed in their container only

7.2 Storing temperatures: from +5°C to +50°C

## 8 – EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1 Individual prevention measures: Warning advice – avoid eye contact

8.2 Special prevention measures: None required

## 9 – PHYSICAL & CHEMICAL PROPERTIES

- 9.1 Texture: Liquid to 20°C
- 9.2 Temperatures: Boiling point: 95°C Solidification: 0°C
- 9.3 Water solubility: Completely miscible
- 9.4 pH value: 7.1
- 9.5 Vapour pressure: n/a
- 9.6 Volumetric capacity: 1000 to 20°C
- 9.7 Flash point: > 99° C
- 9.8 Self ignition temperature: Not known
- 9.9 Other data: Viscosity to 20°C: 10mPa.s

## 10 – STABILITY AND REACTIVITY

- 10.1 Packaging: Plastic containers
- 10.2 Dangerous reactions: None
- 10.3 Dangerous decomposition product: None

## 11 – TOXICOLOGICAL INFORMATION

- 11.1 Toxicological information: Mouse DL50 > 2500mg / kg

## 12 – ECOLOGICAL INFORMATION

- 12.1 DCO 690mg/g:
- 12.2 DBO5: 198mg/g:

## 13 – ELIMINATION CONSIDERATION

- 13.1 None

## 14 – TRANSPORT INFORMATION AND CONDITIONS

- 14.1 Non-hazardous. No regulations apply

## 15 – REGULATORY INFORMATION

- 15.1 This product has been labelled in accordance with EU directives / respective laws
- 15.2 Risk phrases:
  - R36 – Irritating to eyes
  - R22 – Harmful if swallowed
- 15.3 Safety phrases:
  - S24 – Avoid eye and skin contact
  - S26 – In case of contact with eyes, rinse immediately with plenty of clean water and seek medical Advice if irritation occurs.
  - S28a – After contact with skin, wash immediately with plenty of clean water

## 16 – OTHER INFORMATION

- 16.1 This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship

The product described herein may only be used for the intended purpose