

## MATERIAL SAFETY DATA SHEET

### **Section 1: IDENTIFICATION**

Name: UREA GLDH UV REAGENT

Manufacturer: **Prestige Diagnostics U.K Ltd.,  
40/41 Ballymena Business Centre  
Galgorm, Co.Antrim, BT42 1FL  
+44(0)28 2564 2100**

Cat No. MPRURE1/2/3/4/5

### **Section 2: CHEMICAL COMPOSITION**

All components contain preparations and are therefore not listed in CAS

|             | <b>Component:</b>  | <b>Concentrations:</b> |
|-------------|--------------------|------------------------|
| Reagent R1: | Tris Buffer pH7.8  | 50 mmol/l              |
|             | GLDH               | >0.80 U/l              |
|             | Urease             | >12 U/ml               |
| Reagent R2: | Tris Buffer pH 9.6 | 100 mmol/l             |
|             | 2-oxoglutarate     | 8.30 mmol/l            |
|             | NADH               | >0.23 mmol/l           |
| Reagent R3: | Urea               | 8.30 mmol/l            |

### **Section 3: HAZARDS IDENTIFICATION**

Avoid contact with eyes, skin and inhalation.

### **Section 4: FIRST AID MEASURES**

Remove contaminated clothing and wash before reuse.

In case of contact, immediately wash skin with soap and copious amounts of water. In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

If inhaled, remove to fresh air.

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

### **Section 5: FIRE FIGHTING MEASURES**

Water spray. Carbon dioxide, dry chemical powder or appropriate form.

### **Section 6: ACCIDENTAL RELEASE MEASURES**

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

### **Section 7: HANDLING AND STORAGE**

Refer to Section 8.

### **Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

Wear chemical resistant gloves, safety, other protective clothing.

Safety shower, eye bath.

Mechanical exhaust required.

Do not breathe dust.

Avoid contact with eyes, skin and clothing.

Avoid prolonged or repeated exposures.

Wash thoroughly after handling

Keep tightly closed

Store all components dry, refrigerated at 2-8°C.

### **Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

Appearance and Odour: Reagent R1, R2: Liquid. R1 is slightly pink.

#### **Section 10: STABILITY AND REACTIVITY**

Hazardous combustion or decomposition products: CO<sub>2</sub>, CO, Nitrogen Oxides

#### **Section 11: TOXICOLOGICAL INFORMATION**

Toxicological data for the reagent mixture are not available. Toxicological data have not yet been thoroughly investigated.

#### **Section 12: ECOLOGICAL INFORMATION**

Water pollution hazard rating: 1

#### **Section 13: DISPOSAL CONSIDERATIONS**

Dissolve or mix the material with combustible solvent and burn in a chemical incinerator equipped with after burner and scrubber.

#### **Section 14: TRANSPORT INFORMATION**

Is not affected by the current rules for transport of hazardous goods (GGVS/ADR, GGVE/RID, IMDG, IATA/ICAO)

#### **Section 15: REGULATORY INFORMATION**

European information:

S ½ Keep under lock, out of reach of children

S 26 In case of contact with eyes, rinse immediately with plenty of water  
and seek medical advice

S 36 Wear suitable protective clothing

S 28 After contact with skin, wash immediately with plenty of water

S 45 In case of contact with eyes, rinse immediately with plenty of water  
and seek medical advice

#### **Section 16: OTHER INFORMATION**

The above mentioned information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Prestige Diagnostics UK Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.