



**RIDGEWAY SCIENCE**



**MATERIAL SAFETY DATA SHEET**

**Heataid Bottle B**

According to NOHSC:2011 (2003)

**1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

PRODUCT NAME	Heataid Bottle B		
APPLICATION	Substrate for ELISA		
SUPPLIER	JJD Stocktesting 2249 Murray Valley Hwy Cobram East Victoria 3644 T: 0358 735 472	MANUFACTURER	Ridgeway Science Park Lane St. Briavels Lydney Gloucestershire GL15 6QX United Kingdom T: +44 (0) 1594 530 809 F: +44 (0) 1594 530 767
CONTACT PERSON	enquiries@ridgewayscience.co.uk		
EMERGENCY TELEPHONE	0409 214 144		

**2 HAZARDS IDENTIFICATION**

RISK PHRASES

R41	Risk of serious damage to eyes.
R48/22	Harmful: danger of serious damage to health by prolonged exposure if swallowed.

SAFETY PHRASES

S25	Avoid contact with eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/39	Wear suitable protective clothing and eye/face protection.
S60	This material and its container must be disposed of as hazardous waste.

HUMAN HEALTH

Splashes may cause serious eye damage. Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.

DG CLASS

Not classified for transportation.

HAZCHEM CODE None

**3 COMPOSITION/INFORMATION ON INGREDIENTS**

Name	EC No.	CAS-No.	Content	Classification (NOHSC: 2011)
WATER	231-791-2	7732-18-5	89%	-
DIETHANOLAMINE	203-868-0	111-42-2	10%	Xn;R22,R48/22 Xi;R38,R41
THIOMERSAL	200-210-4	54-64-8	0.01%	T+;R26/27/28. N;R50/53. R33.
MAGNESIUM CHLORIDE HEXAHYDRATE	232-094-6	7791-18-6	0.01%	-
PMP SUBSTRATE	238-884-7	14815-59-9	0.01%	Xi;R36/37/38.

The Full Text for all R-Phrases are Displayed in Section 16



## Heataid Bottle B



### PROCESS CONDITIONS

Provide eyewash station.

### RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists. Avoid forming spray/aerosol mists.

### HAND PROTECTION

Wear protective gloves.

### EYE PROTECTION

Wear splash-proof eye goggles to prevent any possibility of eye contact.

### HYGIENE MEASURES

Wash hands after handling. Promptly remove any clothing that becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid
COLOUR	Yellow
SOLUBILITY	Miscible with water.
pH-VALUE, CONC. SOLUTION	9.8 at 10g/l at 20°C

## 10 STABILITY AND REACTIVITY

### STABILITY

Stable under normal temperature conditions and recommended use.

### HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Oxides of: Carbon. Sulphur. Nitrogen. Mercury

## 11 TOXICOLOGICAL INFORMATION

### INHALATION

May cause irritation to the respiratory system.

### INGESTION

Harmful: danger of serious damage to health by prolonged exposure if swallowed. May cause stomach pain or vomiting.

### SKIN CONTACT

Liquid may irritate skin.

### EYE CONTACT

Risk of serious damage to eyes. Extreme irritation of eyes and mucous membranes, including burning and tearing.

Name	THIOMERSAL
Toxic Dose 1 - LD 50	75 mg/kg (oral rat)
Toxic Dose 2 - LD 50	98 mg/kg (subcutaneous-rat)

## 12 ECOLOGICAL INFORMATION

### ECOTOXICITY

The product is not expected to be hazardous to the environment.

Name	THIOMERSAL
------	------------

### ACUTE FISH TOXICITY

LC50 - Oncorhynchus mykiss (rainbow trout) - 21.2 mg/l - 48.0 h

## Heataid Bottle B

### 13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

DISPOSAL METHODS

Do not allow runoff to sewer, waterway or ground. Recover and reclaim or recycle, if practical.

### 14 TRANSPORT INFORMATION

GENERAL	The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).		
DG CLASS	Not classified for transportation.	HAZCHEM CODE	None

### 15 REGULATORY INFORMATION

LABELLING



Harmful

CONTAINS

DIETHANOLAMINE

RISK PHRASES

R41	Risk of serious damage to eyes.
R48/22	Harmful: danger of serious damage to health by prolonged exposure if swallowed.

SAFETY PHRASES

S25	Avoid contact with eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/39	Wear suitable protective clothing and eye/face protection.
S60	This material and its container must be disposed of as hazardous waste.

NATIONAL REGULATIONS AND REFERENCES

NOHSC:1003(1995). Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment. NOHSC:1008(2004). Approved Criteria for Classifying Hazardous Substances. NOHSC:2011(2003). National Code of Practice for the Preparation of Material Safety Data Sheets (2nd Edition). NOHSC:7039(1995). Guidelines for Health Surveillance.

### 16 OTHER INFORMATION

REVISION DATE 24/05/2010

RISK PHRASES IN FULL

R33	Danger of cumulative effects.
R22	Harmful if swallowed.
R48/22	Harmful: danger of serious damage to health by prolonged exposure if swallowed.
R36/37/38	Irritating to eyes, respiratory system and skin.
R38	Irritating to skin.
NC	Not classified.
R41	Risk of serious damage to eyes.
R26/27/28	Very toxic by inhalation, in contact with skin and if swallowed.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## Heataid Bottle B

### DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.