

# SAFETY DATA SHEET



**Product: MethylEasy™ Xceed**

Print Date: 24.07.2006

Version: 1.0

Revision Date: 24.07.2006

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## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Identification of the substance or preparation

Commercial Product Name: **MethylEasy™ Xceed**  
Company Name Human Genetic Signatures Pty Ltd (ABN 30 095 913 205)  
Level 4, 11 Julius Ave  
North Ryde NSW 2113  
Australia  
Telephone : +61 2 9870 7580  
Telefax : +61 2 8569 0373  
Australian Poisons  
Information Number : 13 11 26

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

### Components:

Name
Reagent #1: Alkaline Solution
Reagent #2: Bisulphite Powder
Reagent #3: Guanidine Thiocyanate
Reagent #4
Reagent #5
Control Sample 1
Control Sample 2
Control Primer 3A
Control Primer 3B

## 3. HAZARDS IDENTIFICATION

### Hazardous classification

Not classified as dangerous goods according to the ADG Code  
Classified as hazardous according to criteria of NOHSC.

### Risks

Harmful by inhalation, in contact with skin and if swallowed.  
Contact with acids liberates very toxic gas.  
Irritating to eyes and skin.

### Safety data

Keep away from food, drink and animal feeding stuffs.  
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
Avoid contact with skin and eyes.  
Wear suitable gloves and eye/face protection.

### Other Health Hazard information:

**Note:** Reagents #1, #2 and #3 are classified as 'Hazardous' according to the criteria of the National Occupational Health and safety Commission (NOHSC).  
Reagent #3 will release very toxic gas in contact with acids. Harmful in contact with skin, if inhaled or swallowed.  
This kit also contains: Reagent #4, Reagent #5 and Control reagents. All are classified as not hazardous according to the criteria of NOHSC.

## 4. FIRST AID MEASURES

### Swallowed:

- Reagents #1, #2, #4 & #5: Ingestion is not an expected route of exposure during normal use of the product. If ingested, consult a physician.
- Reagent #3: If swallowed, wash out mouth with water provided person is conscious. Call a physician.

### Eye contact:

- Reagents #1, #2 & #3: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician and show MSDS.

### Skin contact:

- Reagents #1 & #2: May cause skin irritation following contact. Washing the skin is advisable.
- Reagent #3: In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician and show MSDS.

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## Inhalation:

Inhalation is not an expected route of exposure during normal use of the product.

- Reagent #3: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing difficult, give oxygen.

## 5. FIRE-FIGHTING MEASURES

**Hazardous decomposition products:**

**Suitable extinguishing media:** Use media appropriate for surrounding material.

**Hazards during fire fighting:** Binding Buffer emits toxic off gassing when burnt.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Spilled material is a slipping hazard.

**Methods for cleaning up:** Initial containment using absorbent paper towel or similar material, then rinse with water and dry.

## 7. HANDLING AND STORAGE

**Handling:**

**Safe handling advice:** Some of the contents of the kit are classified as hazardous by NOHSC. When handling any chemical, standard laboratory practices and good personal hygiene is recommended.

- Reagent #3 must not come into contact with dilute or concentrated acids, as it liberates very toxic gas. Segregate from acids during use.

**Storage:**

**Requirements for storage and containers:** Control samples are required to be stored at -20 °C. All other ingredients can be stored at room temperature in cool, dark conditions. Reagent #3 is light sensitive.

**Advice on common storage:** Reagent #3 should not be stored near acids.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Components with workplace control parameters**

Components	Values	Control parameters	Basis
Reagent #1: Alkaline Solution	TWA	2 mg/m <sup>3</sup> peak limit (for mist)	NOHSC
Reagent #2: Bisulphite Powder	TWA	5 mg/m <sup>3</sup>	NOHSC
Reagent #3: Guanidine Thiocyanate	TWA	5 mg/m <sup>3</sup>	NOHSC

**Eye Protection:**

Reagents #1, #2 & #3 are hazardous and it is recommended that users wear eye protection conforming to AS1336 & AS1337 when mixing or other processes where splashing may occur.

**Hand Protection:**

Reagents #1, #2 & #3 are hazardous and it is recommended that users wear latex gloves conforming to AS2161.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**General information (appearance):** Kit with 11 vials of differing size.

## 10. STABILITY AND REACTIVITY

**Stability:** Stable

**Hazardous Polymerization:**

Hazardous polymerization will not occur.

## 11. TOXICOLOGICAL INFORMATION

**Health Effects:**

**Acute-Swallowed:**

Reagent #5: Minor effect expected due to small volume of reagents.

Reagent #3: Harmful if swallowed.

Reagent #1: May cause irritation

Reagent #2: May cause irritation

Control Sample 1 and 2, Control Primers 3A and 3B & Reagent #4 are not classified as hazardous. No significant effects expected.

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## Acute-Eye:

- Reagent #1 & #2: Irritating to the eyes. Burning, tearing and discomfort possible.  
Reagent #3: Systematically harmful if splashed in eyes.

## Acute-Skin:

- Reagent #1 & #2: Irritating to skin.  
Reagent #3: Harmful in contact with skin.

## Acute Inhaled:

- Reagent #1 & #2: Irritant.  
Reagent #3: Harmful by inhalation. \*Contact with acids liberates very toxic cyanide gas.

## Chronic:

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by NOHSC, IRC, NTP, OSHA OR ACGIH as carcinogen.

## Other information:

No significant adverse effects are expected from occupational exposure to other reagents and component of this kit.

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## 12. ECOLOGICAL INFORMATION

No data available on the products.

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## 13. DISPOSAL CONSIDERATIONS

**Recommendation:** Dispose of in accordance with Federal and local regulations. This material may be acceptable for treatment by a publicly owned Treatment Works.

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## 14. TRANSPORT INFORMATION

Further Information : Not classified as dangerous goods according to the ADG Code

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## 15. REGULATORY INFORMATION

### Labeling

Symbol(s)	: Xn	Harmful
R-phrases(s)	: R20/21/22 R32 R36/38	Harmful by inhalation, in contact with skin and if swallowed. Contact with acids liberates very toxic gas. Irritating to eyes and skin.
S-phrases(s)	: S13 S26 S24/25 S37/39	Keep away from food, drink and animal feeding stuffs. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Avoid contact with skin and eyes. Wear suitable gloves and eye/face protection.

Further information : Classified as hazardous according to criteria of NOHSC.

### National regulatory information:

SUSDP : No poison schedule number allocated

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## 16. OTHER INFORMATION

### Further information

For sales, technical, and all product related enquiries contact Human Genetic Signatures office on +61 2 9870 7580. Ask for the customer service, Technical, or marketing personnel for the product relative to the inquiry.

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or an any process.