Developed and Manufactured by:

Distributed by:

# Material Safety Data Sheet

Conforms to regulation (EC) No 1907/2006 (REACH) and 29 CFR 1910.1200(g)

Ref: T5018/30353
Issue Date: 2012-01

## 1. Identification of the substance / preparation and of the company / undertaking

### 1.1. Identification of the substance or preparation

**Product Name:** *IBD EZ VUE®*
**Cat. Number:** T5018/30353
**Composition:** *Diluent*
*Membrane Cassettes*
*Positive Control*

### 1.2. Use of the substance / preparation

An immunochromatographic test for the detection of elevated levels of Lactoferrin, a marker for fecal leukocytes.

### 1.3. Company / undertaking identification

Manufactured by:
TECHLAB®, Inc.
2001 Kraft Drive
Blacksburg, VA 24060

Distributed by:
Alere North America, Inc.
30 South Keller Road
Orlando, Florida 32810

### 1.4. Emergency telephone: 1-800-222-1222 (Poison Control) or your local physician

## 2. Hazard Identification

**The information in this MSDS applies to all kit components. All components listed have been classified as hazardous according to EC Directive 67/548 EC and 1999/45/EEC.**

Hazard description:
Harmful if swallowed
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

The ***Diluent*** contains material of animal origin:
Animal proteins are potentially infectious

The ***Positive Control*** contains material of human and animal origin:
Human and animal proteins are potentially infectious

The positive control contains lactoferrin, which is a human derived material. Material has been tested and found negative for antibody to HIV-1, HIV-2, HCV, and HbsAg. No known test method can offer

complete assurance that infectious agents are absent. ALL HUMAN SOURCE PRODUCTS SHOULD BE HANDLED AS POTENTIALLY INFECTIOUS MATERIAL. A procedure for handling biohazards is published in the CDC/NIH *Manual of Biosafety in Microbiology & Biomedical Laboratories*.

## 3. Composition / information on ingredients

| Product | Hazardous Chemicals | CAS No. | % | EC No. | Classification |
|---|---|---|---|---|---|
| Diluent | Sodium Azide | 26628-22-8 | 0.1% | 247-852-1 | T+; R28, R32, N; R50-53 |
| Positive Control | Sodium Azide | 26628-22-8 | 0.1% | 247-852-1 | T+; R28, R32, N; R50-53 |
| | Human proteins | N/A | N/A | N/A | N/A |
| | Animal proteins | N/A | N/A | N/A | N/A |
| Membrane Cassette | Animal proteins | N/A | N/A | N/A | N/A |

For the wording of the listed risk phrases refer to section 16.

## 4. First Aid Measures

Symptoms of poisoning may occur even after several hours; therefore, medical observation for at least 48 hours after the accident is recommended.

### 4.1 Eye contact:

- Rinse immediately with plenty of water for 15 minutes
- Do not apply neutralizing agents
- Consult a doctor/medical service

### 4.2 Skin contact:

- Rinse with water
- Consult a doctor/medical service if irritation persists

### 4.3 After inhalation:

- Remove the victim into fresh air
- Unconscious: maintain adequate airway and respiration
- Consult a doctor/medical service if breathing problems develop

### 4.4 After ingestion:

- Never give water to an unconscious person
- Consult a doctor/medical service if you feel unwell

## 5. Fire Fighting Measures

### 5.1 Suitable extinguishing media:

- All extinguishing media allowed

### 5.2 Unsuitable extinguishing media:

- No data available

### 5.3 Special exposure hazards:

- On heating/burning: release of toxic and corrosive gases/vapours (nitrous vapours, hydrogen chloride, carbon monoxide, carbon dioxide)

### 5.4 Instructions:

- Dilute toxic gases with water spray
- Take account of toxic firefighting water
- Use firefighting water moderately and contain it

### 5.5 Special protective equipment for firefighters:

- Heat/fire exposure: compressed air/oxygen apparatus
- Heat/fire exposure: gas-tight suit

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## 6. Accidental Release Measures

### 6.1 Personal protection:

- Do not inhale vapors
- Prevent contact with skin or eyes.

### 6.2 Environmental precautions:

- Prevent soil and water pollution
- Substance must not be discharged into the sewer
- Contain leaking substance, pump over in suitable containers
- Plug the leak, cut off the supply
- Dam up the liquid spill

### 6.3 Clean-up:

- Take up liquid spill into absorbent material
- Scoop absorbed substance into closing containers
- Carefully collect the spill/leftovers
- Clean contaminated surfaces with an excess of water
- Wash clothing and equipment after handling

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## 7. Handling and Storage

### 7.1 Handling:

- Observe normal hygiene standards
- Do not discharge the waste into the drain
- Remove contaminated clothing immediately
- Clean contaminated clothing

### 7.2 Storage:

- Provide for a tub to collect spills
- Meet the legal requirements
- Keep away from: heat sources, acids

**Storage temperature: 2° - 30°C**

### 7.3 Materials for packaging:

- No data available

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## 8. Exposure Controls and Personal Protection

### 8.1 Recommended engineering controls:

- Measure the concentration in the air regularly
- Work under local exhaust/ventilation

**Sampling methods:**

| | |
|---|---|
| Hydrogen Chloride (Acids, inorganic) | NIOSH 7903 |
| Hydrogen Chloride | OSHA ID 174SG |

### 8.2 Exposure limits:

| | | | | | |
|---|---|---|---|---|---|
| TLV-TWA | : | - | $mg/m^3$ | - | ppm |
| TLV-STEL | : | - | $mg/m^3$ | - | ppm |
| TLV-Ceiling | : | 0.29(NaN3) | $mg/m^3$ | 0.11(HN3) | ppm |
| OES-LTEL | : | - | $mg/m^3$ | - | ppm |
| OES-STEL | : | 0.3(NaN3) | $mg/m^3$ | - | ppm |
| MAK | : | 0.2 | $mg/m^3$ | | ppm |
| TRK | : | | $mg/m^3$ | | ppm |
| MAC-TGG 8h | : | | $mg/m^3$ | | |
| MAC-TGG 15 min.: | | | $mg/m^3$ | | |
| MAC-Ceiling | : | 0.3 | $mg/m^3$ | | |
| VME-8h | : | - | $mg/m^3$ | - | ppm |
| VLE-15 min. | : | 0.3 | $mg/m^3$ | 0.1 | ppm |
| GWBB-8h | : | - | $mg/m^3$ | - | ppm |
| GWK-15 min. | : | - | $mg/m^3$ | - | ppm |
| Momentary value: | | 0.29 | $mg/m^3$ | 0.11 | ppm |
| EC | : | 0.1 | $mg/m^3$ | - | ppm |
| EC-STEL | : | 0.3 | $mg/m^3$ | - | ppm |

### 8.3 Exposure controls

#### 8.3.1 Occupational exposure controls

##### 8.3.1.1 Respiratory protection
Not required

##### 8.3.1.2 Hand protection
Compatible chemical-resistant gloves.
For the selection of glove material, breakthrough times and other test results are not available for this specific preparation.

##### 8.3.1.3 Eye protection
Safety goggles.

##### 8.3.1.4 Skin protection
Protective work clothing.

#### 8.3.2 Environmental exposure controls
Observe national regulations for the disposal of hazardous preparations.

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## 9. Physical and Chemical Properties

| | | | |
|---|---|---|---|
| **9.1** | **Appearance (at 20°C):** | Liquid preparations | |
| **9.2** | **Odour:** | No data available | |
| **9.3** | **Colour:** | Various | |
| **9.4** | **pH value:** | N/A | |
| **9.5** | **Boiling point/boiling range:** | N/A | **°C** |
| **9.6** | **Melting point/melting range:** | N/A | **°C** |
| **9.7** | **Flashpoint:** | N/A | **°C** |
| **9.8** | **Auto-ignition point:** | N/A | **°C** |
| **9.9** | **Explosion limits:** | N/A | **vol% ( °C)** |
| **9.10** | **Vapour pressure (at 20°C):** | N/A | **hPa** |
| **9.11** | **Relative density (at 20°C):** | N/A | |
| **9.12** | **Water solubility:** | Soluble | |

| | | | |
|---|---|---|---|
| **9.13** | **Soluble in:** | No data available | |
| **9.14** | **Relative vapour density:** | N/A | |
| **9.15** | **Saturation concentration:** | N/A | **g/m$^3$** |
| **9.16** | **Viscosity:** | N/A | **Pa.s** |

## 10. Stability and Reactivity:

### 10.1 Stability:

- No data available. Expiration date is identified on each individual device label.

### 10.2 Reactivity/Hazardous decomposition products:

- On heating/burning: release of toxic and corrosive gases/vapours (nitrous vapours, hydrogen chloride, carbon monoxide, carbon dioxide)

### 10.3 Conditions/materials to avoid:

- Keep away from: heat sources, acids, metals

## 11. Toxicological Information

### 11.1 Acute toxicity:

| | | |
|---|---|---|
| LD50 oral rat: | 27 | mg/kg |
| LD50 dermal rat: | N/A | mg/kg |
| LD50 dermal rabbit: | 20 | mg/kg |
| LC50 inhalation rat: | N/A | mg/l/4 h |
| LC50 inhalation rat: | N/A | ppm/4 h |

### 11.2 Chronic toxicity:

Carcinogenicity (TLV): A4

### 11.3 Routes of exposure: ingestion, inhalation, eyes and skin

### 11.4 Acute effects/symptoms:

- Harmful if swallowed

AFTER EYE CONTACT
- Irritation of the eye tissue
- Inflammation/damage of the eye tissue
- Lacrimation

AFTER SKIN CONTACT
- Slightly irritant

AFTER INHALATION
- Slightly irritant to respiratory organs

### 11.5 Chronic effects:

- Contains substance with uncertain teratogenic properties
- Not listed in carcinogenicity class (IARC,EC,TLV,MAK)
- Not listed in mutagenicity class (EC,MAK)

## 12. Ecological Information

### 12.1 Mobility:

- Volatile organic compounds (VOC): N/A%
- Soluble in water

### 12.2 Biodegradation:

- $BOD_5$: N/A % ThOD
- water: No data available
- soil: T ½: N/A days

### 12.3 Bioaccumulation:

- log $P_{ow}$: N/A
- BCF: N/A

### 12.4 Aquatic toxicity:

- LC50 (96 h): 0.8 mg/l (SALMO GAIRDNERI/ONCORHYNCHUS MYKISS)
- LC50 (96 h): 0.7 mg/l (LEPOMIS MACROCHIRUS)
- LC50 (48 h): 9 mg/l (GAMMARUS SP.)

### 12.5 Other information:

- WGK: 1 (Classification based on the components as per Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 17 May 1999)
- Effect on the ozone layer: Not dangerous for the ozone layer (1999/45/EC)
- Greenhouse effect: no data available
- Effect on waste water purification: no data available

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## 13. Disposal Considerations

### 13.1 Provisions relating to waste:

- Hazardous waste (91/689/EEC)

### 13.2 Packaging/container:

- Waste material code packaging (91/689/EEC, Council Decision packaging containing residues of or contaminated by dangerous substances)

### 13.3 Disposal methods:

- Remove to an authorized plant for the destruction, neutralization and elimination of hazardous waste

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## 14. Transport Information

Please note information in 14.7

**14.1 Proper shipping name:** UN 3287, Toxic liquid, inorganic, n.o.s., contains sodium azide

**14.2 Transport by road/rail (ADR/RID):** class 6.1, 65c)
**Danger code:** 60
**Danger labels on tanks:** 6.1
**Danger labels on packages:** 6.1

**14.3 Substance identification number (UN number):** 3287
**Packing:** III

**14.4 Maritime transport (IMDG code):** class 6.1
**EMS:** 6.1-02
**MFAG:** 4.2 (1998 edit.)
**Marine pollutant:** P

**14.5 Inland navigation (ADNR):** class 6.1, 65c)

**14.6 Air freight (ICAO):** class 6.1
**Instruction "passenger":** 611/Y611
**Instruction "cargo":** 618

**14.7 Other information:** The information above applies to concentrated sodium azide. At 0.1 % (w/w), the solution is not considered to be toxic and exempt from the labeling and packaging requirements suggested above.

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## 15. Regulatory Information

Classification according to directives 67/548/EEC and 1999/45/EC:


Xn Harmful.

**Hazard-determining components of labeling:**
**sodium azide**

**Risk Phrases:**

| | | |
|---|---|---|
| R22 | : | Harmful if swallowed |
| R41 | : | Risk of serious damage to eyes |
| R52/53 | : | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment |

**Safety Phrases:**

| | | |
|---|---|---|
| S(02) | : | (Keep out of reach of children) |
| S23 | : | Do not breathe vapour |
| S26 | : | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice |
| S39 | : | Wear eye/face protection |
| S46 | : | If swallowed, seek medical advice immediately and show this container or label |
| S61 | : | Avoid release to the environment. Refer to special instructions/safety data sheets. |

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## 16. Other Information

The above information and recommendations are believed to be correct as of the date of this Material Safety Data Sheet but shall not be taken to be all-inclusive and shall be used only as a guide. All chemicals and preparations may present unknown hazards and should be used with caution. TECHLAB®, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.

All animal products and derivatives have been collected from healthy animals. Bovine components originate from countries where BSE has not been reported.

- **Relevant R-phrases:**

| | | |
|---|---|---|
| R22 | : | Harmful if swallowed |
| R28 | : | Very toxic if swallowed |
| R32 | : | Contact with acids liberates very toxic gas |
| R41 | : | Risk of serious damage to eyes |
| R50/53 | : | Very Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment |
| R52/53 | : | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment |
| S(02) | : | (Keep out of reach of children) |
| S23 | : | Do not breathe vapour |
| S26 | : | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice |
| S39 | : | Wear eye/face protection |
| S46 | : | If swallowed, seek medical advice immediately and show this container or label |
| S61 | : | Avoid release to the environment. Refer to special instructions/safety data sheets. |

**Abbreviations**

| | |
|---|---|
| N/A: | Not Applicable |
| TLV: | Threshold Limit Value - ACGIH USA 2000 |
| MAK: | Maximale Arbeitsplatzkonzentrationen - Germany 2000 |
| EC: | Indicative occupational exposure limit values - directive 2000/39/EC |

**Effective: 01/2012**
**Replaces version from: 10/2011**
**Modification versus previous version:** Corrected the storage temperature on page 3 to 2° - 30°C.

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