



# SAFETY DATA SHEET

Date of Issue:

April 15, 2015

## Section 1. Identification

**Product Name:** ImmPACT™ DAB Peroxidase Substrate Kit

**Catalog No.:** SK-4105 - Reagent 1

*Any additional components in this kit are considered non-hazardous and, therefore, non-classifiable in accordance with the GHS Safety Data Sheet guidelines.*

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## Section 2. Hazards Identification

### GHS Classification:

Acute toxicity, Oral - Category 4, H302  
Eye irritation - Category 2A, H319  
Germ cell mutagenicity - Category 2, H341  
Carcinogenicity - Category 1B, H350

**GHS Label:**

**Signal Word:** Danger

### Hazard Statements:

H302 - Harmful if swallowed.  
H319 - Causes serious eye irritation.  
H341 - Suspected of causing genetic defects.  
H350 - May cause cancer.

### Precautionary Statements:

Wear protective gloves/protective clothing/eye protection/face protection. Do not eat, drink or smoke when handling this product. Wash skin thoroughly after handling. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. If eye irritation persists: Get medical advice/attention.

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### Section 3. Composition/Information on Ingredients

Reagent 1 is dissolved in the component listed below.

| Component:             | CAS#:     | EC#:      | % by weight: |
|------------------------|-----------|-----------|--------------|
| 3, 3'-diaminobenzidine | 7411-49-6 | 231-018-9 | <10%         |

### Section 4. First Aid Measures

**Inhalation:** Remove to fresh air. Obtain medical attention.

**Skin contact:** Wash thoroughly with water for at least 15 minutes. Obtain medical attention.

**Eye contact:** Wash thoroughly with water for at least 15 minutes. Obtain medical attention.

**Ingestion:** Do not induce vomiting. If person is conscious, wash out mouth with water. Obtain medical attention.

### Section 5. Fire Fighting Measures

**Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special protective equipment:** Use respirator. Toxic gases can be evolved.

### Section 6. Accidental Release Measures

Wear protective clothing to prevent contact with eyes and skin. Ensure adequate ventilation. Collect on absorbent material and dispose of in accordance with federal, state and local environmental control regulations. Do not let product enter drains.

### Section 7. Handling and Storage

**Handling:** Use only with adequate ventilation. Wear eye protection and compatible chemical-resistant gloves.

**Storage:** Store in a refrigerator.

### Section 8. Exposure Controls/Personal Protection

**Exposure limits:** Contains no substances with occupational exposure limit values.

**Engineering controls:**

Use enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below recommended exposure limits.

**Personal protection:**

**Hand protection -** Compatible chemical-resistant gloves.

**Eye protection -** Chemical safety goggles.

**Skin protection -** Lab coat.

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## Section 9. Physical and Chemical Properties

|                       |                |                          |                |
|-----------------------|----------------|--------------------------|----------------|
| <b>Appearance:</b>    | Brown liquid   | <b>Flash point:</b>      | Not determined |
| <b>Odor:</b>          | None           | <b>Autoflammability:</b> | Not determined |
| <b>pH:</b>            | Not determined | <b>Vapor pressure:</b>   | Not determined |
| <b>Boiling point:</b> | Not determined | <b>Relative density:</b> | Not determined |
| <b>Melting point:</b> | Not determined | <b>Solubility:</b>       | Not applicable |

## Section 10. Stability and Reactivity

|  |   |
|--|---|
| <b>Chemical stability:</b>                         | Stable under recommended storage conditions.      |
| <b>Conditions to avoid:</b>                        | Direct sunlight                                   |
| <b>Materials to avoid:</b>                         | Strong oxidizers.                                 |
| <b>Hazardous reactions/decomposition products:</b> | Carbon monoxide, carbon dioxide, nitrogen oxides. |

## Section 11. Toxicological Information

### Information on toxicological effects

**Acute Toxicity:** No data available.

**Serious eye damage/eye irritation:** No data available.

**Germ cell mutagenicity:** No data available.

**Carcinogenicity:** No data available.

**Reproductive Toxicity:** No data available. May cause congenital malformation in the fetus.

### Acute effects:

May cause skin irritation, eye irritation, mucus membrane irritation. May be harmful if swallowed, inhaled or absorbed through the skin.

### Chronic effects:

Not determined.

**RTECS#:** DV8753000

**Toxicity data:** ipr-mus LD50: 330 mg/kg

Only selected RTECS data is shown.

## Section 12. Ecological Information

No data available.



### Section 13. Disposal Considerations

Observe all federal, state and local environmental disposal regulations.

### Section 14. Transport Information

**DOT (US):** Not dangerous goods

**RID/ADR:** Not regulated

**IMDG:** Not dangerous goods

**IATA:** Not dangerous goods

### Section 15. Regulatory Information

#### SARA:

SARA 302 - No chemicals in this material are subject to the reporting requirements.

SARA 313 - This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III.

SARA 311/312 Hazards - Acute Health Hazard, Chronic Health Hazard

#### Risk phrases:

R36 - Irritating to eyes.

R45 - May cause cancer.

R68 - Possible risk of irreversible effects

#### Safety phrases:

S53 - Avoid exposure - obtain special instructions before use.

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

California Prop. 65 components:

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

### Section 16. Other Information

The information contained in this Material Safety Data is believed to be accurate but it is the responsibility of the user to determine the applicability of these data to the formulation of necessary safety precautions. Vector Laboratories, Inc. shall not be held responsible for any damage resulting from the use of the above product or the information contained in this Material safety Data Sheet.