

Date of Issue: October 2, 2018

Section 1. Product and Company Identification

Product Name: ImmPACT® DAB EqV Peroxidase Substrate Kit – Reagent 1

Catalog No.: SK-4103

Manufacturer/Supplier USA:

Vector Laboratories, Inc.
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Burlingame, CA 94010
United States
Tel: (650) 697-3600 Fax: (650) 697-0339
Email: vector@vectorlabs.com

Supplier United Kingdom:

Vector Laboratories Ltd.
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Bakewell Road, Orton Southgate
Peterborough, PE2 6XS, United Kingdom
Tel: (01733) 237999 Fax: (01733) 237119
Email: vector@vectorlabs.co.uk

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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.

SAFETY DATA SHEET

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 according to federal, state and local environmental 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. Handle in accordance with good industrial hygiene and safety practice.

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.

Section 9. Physical and Chemical Properties

Appearance: Brown liquid.

Odor: None.

pH: Not determined.

Boiling point: Not determined.

Flash Point: Not determined.

Autoflammability: Not determined.

Vapor pressure: Not determined.

Relative density: Not determined.

SAFETY DATA SHEET

Melting point: Not determined.

Solubility: Not applicable.

Section 10. Stability and Reactivity

Chemical stability: Stable under recommended storage conditions.

Conditions to avoid: Direct sunlight.

Materials to avoid: Strong oxidizers.

Hazardous reactions/decomposition products: 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:

Note determined

RTECS#: DV8753000

Acute effects: 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 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 - No chemicals in this material with known CAS #s are subject to the reporting requirements.

SARA 311/312 Hazards - No SARA Hazards.

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 other reproductive harm.

Section 16. Other Information

Date of Issue or Revision: November 7, 2018

The information contained in this Safety Data Sheet is believed to be accurate, but it is the responsibility of the user to determine the applicability of this data to 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 Safety Data Sheet.

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Section 1. Product and Company Identification

Product Name: ImmPACT® DAB EqV Peroxidase Substrate Kit – Reagent 2

Catalog No.: PK-8200

Manufacturer/Supplier USA:

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Burlingame, CA 94010
United States
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Supplier United Kingdom:

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Tel: (01733) 237999 Fax: (01733) 237119
Email: vector@vectorlabs.co.uk

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Section 2. Hazards Identification

GHS Classification:

Skin Corrosion – Category 1B, H314
Serious Eye Damage – Category 1, H314
Reproductive toxicity – Category 1B, H360

GHS Label:



Signal Word: Danger

Hazard Statements:

H314 – Causes severe skin burns and eye damage.
H360 – May damage fertility or the unborn child.

Precautionary Statements:

Obtain special instructions before use. Wear protective gloves/protective clothing/eye protection/face protection. Do not eat, drink or smoke when handling this product. IF SWALLOWED: Immediately call a POISON Center or doctor/physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Section 3. Composition/Information on Ingredients

Reagent 2 is dissolved in the component listed below.

| Component: | CAS#: | EC#: | % by weight: |
|------------|----------|-----------|--------------|
| Imidazole | 288-32-4 | 206-019-2 | <0.4% |

Section 4. First Aid Measures

Inhalation: Remove to fresh air. Obtain medical attention.

Skin contact: Wash exposed area with soap and plenty of water. Remove contaminated clothing. Obtain medical attention.

Eye Contact: Wash eyes with plenty of water for at least 15 minutes. Have victim remove contact lenses. Be sure to wash under eyelids. 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 and protective clothing to prevent contact with eyes and skin. 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 according to federal, state and local environmental 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. Handle in accordance with good industrial hygiene and safety practice.

Storage: Store in a refrigerator.

Section 8. Exposure Controls/Personal Protection

Exposure limits: Occupational exposure limit values have not been established.

Engineering controls: No special controls needed.

Personal protection:

Hand protection - Compatible chemical-resistant gloves.

Eye protection – Wear chemical safety goggles and face shield when eye and face contact is possible due to splashing or spraying of material.

Skin protection - Lab coat with sleeves.

Respiratory Protection – Exceeding exposure limits is unlikely during normal usage. However, if irritating vapors are produced, respiratory protection is recommended. Attempt to reduce exposure levels to an acceptable range.

General Hygiene Measures – Avoid contact with eyes, skin and clothing. Wash hands thoroughly after handling and before eating or drinking.

Section 9. Physical and Chemical Properties

Appearance: Clear liquid.

Odor: Not determined.

pH: >7

Boiling point: Not determined.

Melting point: Not determined.

Flash Point: Not determined.

Autoflammability: Not determined.

Vapor pressure: Not determined.

Relative density: Not determined.

Solubility: Soluble.

Section 10. Stability and Reactivity

Chemical stability: Stable under recommended storage conditions.

Conditions to avoid: None identified.

Materials to avoid: Strong oxidizers, acid chlorides, acid, alkali metals, and phosphorous halides.

Hazardous reactions/decomposition products: Carbon monoxide, carbon dioxide, nitrogen oxides, hydrogen cyanide, ammonia.

Section 11. Toxicological Information

Information on toxicological effects:

Acute toxicity: No data available.

Skin irritation: No data available

Skin and respiratory sensitization: No data available

Serious eye damage/eye irritation: No data available.

Carcinogenicity: No component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible, potential, known, anticipated, or confirmed carcinogen by IARC, ACGIH, NTP, or OSHA.

Mutagenicity: No data available.

Reproductive Toxicity: No data available.

Developmental effects: No data available.

Target organ effects: No data available.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated at product concentrations.

Section 12. Ecological Information

No data available.

Section 13. Disposal Considerations

Observe all federal, state and local environmental regulations.

Section 14. Transport Information

DOT (US): Not regulated.

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SARA:

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