



SAFETY DATA SHEET

Date of Issue:

April 15, 2015

Section 1. Identification

Product Name: ImmPACT™ AEC Peroxidase Substrate Kit

Catalog No.: SK-4205 - Reagent 2

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:

Flammable liquids - Category 3, H226
Acute toxicity, Inhalation - Category 4, H332
Acute toxicity, Dermal - Category 4, H312
Eye irritation - Category 2A, H312
Reproductive toxicity - Category 1B, H360

GHS Label:



Signal Word: Danger

Hazard Statements:

H226 - Flammable liquid and vapor
H312 + H332 - Harmful in contact with skin or if inhaled
H319 - Causes serious eye irritation
H360 - May damage fertility or the unborn child

Precautionary Statements:

Keep away from heat/sparks/open flames/hot surfaces- No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Wash skin thoroughly after handling. IF ON SKIN (or hair): Immediately, take off all contaminated clothing, Rinse skin with water/shower. IF INHALED: Remove person to fresh air. 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 2 is dissolved in the component listed below.

Component:	CAS#:	EC#:	% by weight:
Dimethylformamide	68-12-2	200-679-5	>90%

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.

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: Consult local authorities for acceptable exposure limits.

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

Appearance:	Liquid	Flash point:	58 °C (136 °F)
Odor:	Amine-like	Autoflammability:	Not determined
pH:	Not determined	Vapor pressure:	Not determined
Boiling point:	153 °C (307 °F)	Relative density:	Not determined
Melting point:	-61 °C (-78 °F)	Solubility:	water miscible

Section 10. Stability and Reactivity

Chemical stability: Stable under recommended storage conditions.

Conditions to avoid: Not determined.

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.

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#: LQ210000

Toxicity data: ipr-mus LD50: 650 mg/kg
orl-rat LD50: 2,800 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.

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Section 14. Transport Information

DOT (US):	Excepted Quantity UN number: 2265 Class: 3 Proper shipping name: N,N-Dimethylformamide Reportable Quantity (RQ): 100 lbs	Packing group: III
RID/ADR:	Excepted Quantity UN number: 2265 Class: 3 Proper shipping name: N,N-Dimethylformamide	Packing group: III
IMDG:	Excepted Quantity UN number: 2265 Class: 3 Proper shipping name: N,N-Dimethylformamide	Packing group: III
IATA:	Excepted Quantity UN number: 2265 Class: 3 Proper shipping name: N,N-Dimethylformamide	Packing group: III

Section 15. Regulatory Information

SARA:

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

SARA 313 - The following components are subject to reporting levels:

N, N-Dimethylformamide, CAS-No. 68-12-2

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

Risk phrases:

R61 - May cause harm to the unborn child

R20/21 - Harmful by inhalation, in contact with skin and if swallowed.

R36 - Irritating to eyes.

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.