



SAFETY DATA SHEET

Date of Issue:

April 15, 2015

Section 1. Identification

Product Name: Vector® Black Alkaline Phosphatase Substrate Kit

Catalog No.: SK-5200 - Reagent 3

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

Manufacturer/Supplier USA:

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

EU Supplier United Kingdom:

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

Section 2. Hazards Identification

GHS Classification:

Flammable Liquids - Category 2, H225
Acute Toxicity, Oral - Category 3, H301
Acute Toxicity, Inhalation - Category 3 H331
Acute Toxicity, Dermal - Category 3, H311
Eye irritation - Category 2A, H319
Specific target organ toxicity (SE) - Category 1, H370

GHS Label:



Signal Word: Danger

Hazard Statements:

H225 Highly flammable liquid and vapor.
H301 + H311 + H331 Toxic if swallowed, in contact with skin or if inhaled.
H319 Causes serious eye irritation
H370 Causes damage to organs.

Precautionary Statements:

Keep away from heat/sparks/open flames/hot surfaces. - NO SMOKING. Keep container tightly closed. Use explosion-proof electrical/ventilating/lighting/equipment. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe dust/fume/gas/mist/vapors/spray. Wash skin thoroughly after handling. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. 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. If eye irritation persists: Get medical advice/attention.

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Section 3. Composition/Information on Ingredients

Reagent 3 is dissolved in the component(s) listed below.

Component:	CAS#:	EC#:	% by weight:
Methanol	67-56-1	200-659-6	>45%
Acetonitrile	75-05-8	200-835-2	>45%

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. Wear respiratory protection. Avoid breathing vapors, mist or gas. 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 approved organic vapor respirator. Wear eye protection and compatible chemical-resistant gloves.

Storage: Keep container tightly closed and store in a refrigerator.

Section 8. Exposure Controls/Personal Protection

Exposure limits: TWA 200 ppm

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.

Respiratory protection - Use respirators tested and approved under appropriate government standards.

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Section 9. Physical and Chemical Properties

Appearance:	Colorless liquid	Flash point:	11 °C
Odor:	None	Autoflammability:	Not determined
pH:	Not determined	Vapor pressure:	Not determined
Boiling point:	65 °C	Relative density:	Not determined
Melting point:	-98 °C	Solubility:	Miscible

Section 10. Stability and Reactivity

Chemical stability: Stable under recommended storage conditions.

Conditions to avoid: Heat, sparks, open flame.

Materials to avoid: Strong oxidizers.

Hazardous reactions/decomposition products: Carbon monoxide, carbon dioxide.

Section 11. Toxicological Information

Information on toxicological effects

Acute Toxicity: No data available.

Reproductive Toxicity: Damage to fetus not classifiable. Fertility classification not possible from current data.

STOT - SE: Causes damage to organs.

Acute effects:

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Effects due to overexposure may also include headache, dizziness, drowsiness, visual impairment or complete blindness.

Chronic effects:

Not determined.

RTECS#: PC1400000

Toxicity data:
orl-hmn LDLo: 340 mg/kg
orl-mus LD50: 870 mg/kg
skn-rbt LD50: 20 mg/kg

Section 12. Ecological Information

Avoid release to the environment.

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
Not dangerous goods

RID/ADR: Excepted Quantity
Not dangerous goods

IMDG: Excepted Quantity
Not dangerous goods

IATA: Excepted Quantity
Not dangerous goods

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: Methanol, CAS-No. 65-56-1

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

Risk Phrases:

R11 - Highly flammable

R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed.

R36 - Irritating to eyes.

R39/23/24/25 - Toxic: Danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

Safety Phrases:

S7 - Keep container tightly closed.

S16 - Keep away from sources of ignition - No smoking.

S36/37 - Wear Suitable protective clothing and gloves.

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

California Prop. 65 components:

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm: Methanol.

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.