



SAFETY DATA SHEET

Date of Issue:

April 15, 2015

Section 1. Identification

Product Name: Vector® NovaRED™ Peroxidase Substrate Kit

Catalog No.: SK-4800 - 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.

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Section 2. Hazards Identification

GHS Classification:

Flammable Liquids - Category 2, H225
Acute Toxicity, Oral - Category 4, H302
Acute Toxicity, Inhalation - Category 4, H332
Acute Toxicity, Dermal - Category 4, H312
Eye irritation - Category 2A, H319

GHS Label:



Signal Word: Danger

Hazard Statements:

H225 Highly flammable liquid and vapor.
H302 + H312 + H332 Harmful if swallowed, in contact with skin or if inhaled.
H319 Causes serious eye irritation

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: Call a POISON CENTER or doctor/physician if you feel unwell. 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 you feel unwell. 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:
Acetonitrile	75-05-8	200-835-2	>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: Keep container tightly closed and store in a refrigerator.

Section 8. Exposure Controls/Personal Protection

Exposure limits: TWA 20 ppm

Engineering controls:

Safety shower and eye bath. Mechanical exhaust required.

Personal protection:

Hand protection - Compatible chemical-resistant gloves.

Eye protection - Chemical safety goggles.

Skin protection - Lab coat.



Section 9. Physical and Chemical Properties

Appearance:	Colorless liquid	Flash point:	5.6 °C
Odor:	None	Autoflammability:	Not determined
pH:	Not determined	Vapor pressure:	Not determined
Boiling point:	81.6 °C	Relative density:	Not determined
Melting point:	-44 °C	Solubility:	Not determined

Section 10. Stability and Reactivity

Chemical stability: Stable under recommended storage conditions.

Conditions to avoid: Heat, sparks, open flame.

Materials to avoid: Strong oxidizing agents.

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

Section 11. Toxicological Information

Information on toxicological effects

Acute Toxicity: No data available.

Serious Eye Damage/Eye Irritation: Irritating to eyes.

Reproductive Toxicity: No data available.

STOT - SE: The substance or mixture is not classified as specific target organ toxicant.

Acute effects:

Harmful if inhaled. May cause respiratory tract irritation. Harmful if absorbed through skin. May cause skin irritation. Causes eye irritation. Harmful if swallowed.

Chronic effects:

Not determined.

RTECS#: AL7700000

Toxicity data: orl-rat LD50: 3800 mg/kg
skn-rbt LD50: 1250 mg/kg
orl-gpg LD 50: 177 mg/kg

Only selected RTECS data is shown.

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 Quantities: UN number: 1648 Class: 3 Proper shipping name Acetonitrile Reportable Quantity (RQ): 5000 lbs.	Packing group: II
RID/ADR:	Excepted Quantities: UN number: 1648 Class: 3 Proper shipping name Acetonitrile	Packing group: II
IMDG:	Excepted Quantities: UN number: 1648 Class: 3 Proper shipping name Acetonitrile	Packing group: II
IATA:	Excepted Quantities: UN number: 1648 Class: 3 Proper shipping name Acetonitrile	Packing group: II

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: Acetonitrile, CAS-No. 75-05-8
SARA 311/312 Hazards - Fire Hazard, Acute Health Hazard

Risk Phrases:

R11 - Highly flammable.
R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed
R36 - Irritating to eyes

Safety Phrases:

S16 - Keep away from sources of ignition - No Smoking
S36/37 - Wear suitable protective clothing and gloves.

California Prop. 65 components:

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

Section 16. Other Information

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 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 Safety Data Sheet.

Date of Issue or Revision: April 15, 2015

Section Revised: N/A