



# SAFETY DATA SHEET

Date of Issue:

April 15, 2015

## Section 1. Identification

**Product Name:** Vector® SG Peroxidase Substrate Kit

**Catalog No.:** SK-4700 - 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:

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 1 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.

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## Section 9. Physical and Chemical Properties

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

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