


## SAFETY DATA SHEET

### 1. IDENTIFICATION

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|----------------------------|---|
| 1.1. Product Name          | Stemgent® Alkaline Phosphatase Staining Kit II  |
| 1.2. Catalog Number        | 00-0055   |
| 1.3. Uses and restrictions | For research use only. Not for use in diagnostic or therapeutic applications  |
| 1.4. Manufacturer/Supplier | Stemgent, Inc.<br>4 Hartwell Place<br>Lexington, MA 02421 USA<br>(617) 245-0000   |
| 1.5. In Case of Emergency  | <ul style="list-style-type: none"> <li>• For medical emergencies, contact your local emergency center.</li> <li>• For transportation emergencies, contact your local transportation authorities.</li> <li>• For other non-medical or non-environmental emergencies please call (617) 245-0030, 8:00 am-4:00 pm EST, Monday – Friday.</li> </ul> |

### 2. HAZARDS IDENTIFICATION

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|---------------------------------|--|
| 2.1. Classification             | GHS Classification in accordance with 29 CFR 1910 (OSHA HCS) <ul style="list-style-type: none"> <li>• Flammable liquids (Category 4), H227</li> <li>• Acute toxicity, Oral (Category 4), H302</li> <li>• Skin irritation (Category 2), H315</li> <li>• Serious eye damage (Category 1), H318</li> <li>• Skin sensitization (Category 1), H317</li> <li>• Carcinogenicity (Category 1A), H350</li> <li>• Specific target organ toxicity – single exposure (Category 1), H370</li> </ul> |
| 2.2. Signal Word                | Danger   |
| 2.3. Symbol                     |   |
| 2.4. Hazard Statement(s)        | <ul style="list-style-type: none"> <li>• H227 Combustible liquid.</li> <li>• H302 Harmful if swallowed.</li> <li>• H315 Causes skin irritation.</li> <li>• H317 May cause an allergic skin reaction.</li> <li>• H318 Causes serious eye damage.</li> <li>• H341 Suspected of causing genetic defects.</li> <li>• H350 May cause cancer.</li> <li>• H370 Causes damage to organs.</li> </ul>  |
| 2.5. Precautionary Statement(s) | <ul style="list-style-type: none"> <li>• P201 Obtain special instructions before use.</li> <li>• P202 Do not handle until all safety precautions have been read and understood.</li> </ul>   |

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| • P210   | Keep away from heat/sparks/open flames/hot surfaces. No smoking.  |
| • P260   | Do not breathe dust/fume/gas/mist/vapors/spray.   |
| • P264   | Wash skin thoroughly after handling/  |
| • P270   | Do not eat, drink or smoke when using this product.   |
| • P272   | Contaminated work clothing should not be allowed out of the workplace.  |
| • P280   | Wear protective gloves/protective clothing/eye protection/face protection.  |
| • P301 + P312 + P330   | IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.   |
| • P302 + P352  | IF ON SKIN: Wash with plenty of soap and water.   |
| • P305 + P351 + P338+ p310   | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician. |
| • P333 + P313  | If skin irritation or rash occurs: Get medical advice/attention.  |
| • P362   | Take off contaminated clothing and wash before reuse.   |
| • P370 + P378  | In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.   |
| • P403 + P235  | Store in a well-ventilated place. Keep cool.  |
| • P405   | Store locked up.  |
| • P501   | Dispose of contents/container to an approved waste disposal plant.  |
| 2.6. Hazards not otherwise classified (HNOC) or not covered by GHS | None.   |

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Refer to components SDS.

### 4. FIRST AID MEASURES

Refer to components SDS.

### 5. FIRE FIGHTING MEASURES

Refer to components SDS.

### 6. ACCIDENTAL RELEASE MEASURES

Refer to components SDS.

### 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

- Avoid inhalation, contact with eyes, skin, and clothing.
- Avoid prolonged or repeated exposure.
- Keep in well ventilated area
- For other precautions see section 2.5.



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- 7.1 Conditions for safe storage, including any incompatibilities      Store at 4°C. Keep containers tightly closed in a dry and well-ventilated place. Containers which are open must be carefully resealed and kept upright to prevent leakage.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Refer to components SDS.

### 9. PHYSICAL/CHEMICAL PROPERTIES

Refer to components SDS.

### 10. STABILITY/REACTIVITY

Refer to components SDS.

### 11. TOXICOLOGICAL INFORMATION

Refer to components SDS.

### 12. ECOLOGICAL INFORMATION

Refer to components SDS.

### 13. DISPOSAL CONSIDERATIONS

Refer to components SDS.

### 14. TRANSPORT INFORMATION

This product is considered non hazardous for transport.

### 15. REGULATORY INFORMATION

#### U.S. Federal Regulations

- SARA 313 components      The following components are subject to reporting levels established by SARA Title III, Section 313:  
Methanol, CAS-No. 67-56-1, Revision Date: 2007-07-01  
Formaldehyde, CAS-No. 50-00-0, Revision Date: 2007-07-01
- SARA 302 components      The following components are subject to reporting levels established by SARA Title III, Section 302:  
Formaldehyde, CAS-No. 50-00-0, Revision Date: 2007-07-01
- SARA 311/312 Hazards      Fire hazard, Acute health hazard, Chronic health hazard
- Clean Air Act, Section 112  
Hazardous Air Pollutants (HAPs) (see CFR 61)      Does not contain any components subject to reporting.

#### U.S. State Regulations

- California Proposition 65      Does not contain any components subject to reporting.



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- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>• Massachusetts Right To Know Components</li> </ul> | <p>Formaldehyde, CAS-No. 50-00-0<br/>Methanol, CAS-No. 67-56-1<br/>Hydrochloric acid, CAS No. 7647-01-0</p>   |
| <ul style="list-style-type: none"> <li>• Pennsylvania Right To Know Components</li> </ul>  | <p>Formaldehyde, CAS-No. 50-00-0<br/>Methanol, CAS-No. 67-56-1<br/>Disodium hydrogenorthophosphate, CAS-No. 7558-79-4<br/>Sodium nitrite, CAS No. 7632-00-0<br/>Hydrochloric acid, CAS No. 7647-01-0<br/>2-Amino-2-methylpropane-1,3-diol, CAS No. 115-69-5<br/>Diethylene glycol, CAS No. 111-46-6</p> |
| <ul style="list-style-type: none"> <li>• New Jersey Right To Know Components</li> </ul>    | <p>Formaldehyde, CAS-No. 50-00-0<br/>Methanol, CAS-No. 67-56-1<br/>Disodium hydrogenorthophosphate, CAS-No. 7558-79-4<br/>Sodium nitrite, CAS No. 7632-00-0<br/>Hydrochloric acid, CAS No. 7647-01-0<br/>2-Amino-2-methylpropane-1,3-diol, CAS No. 115-69-5<br/>Diethylene glycol, CAS No. 111-46-6</p> |
| <p>WHMIS Hazard Class</p>  | <p>D-1A, D-2A,D-2B, D-E, B-2A</p>   |

### 16. OTHER INFORMATION

|                         |  |
|-------------------------|--|
| <p>Components</p>       | <p>09-0042 Fix Solution<br/>09-0043 AP Staining Solution A<br/>09-0065 AP Staining Solution B<br/>09-0066 AP Staining Solution C</p>   |
| <p>Notice</p>           | <p>The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Stemgent, Inc. shall not be held liable for any damage resulting from handling or from contact with the product. See Stemgent, Inc. website for terms and conditions of sale.</p> |
| <p>Preparation Date</p> | <p>March 18, 2016</p>  |
| <p>Version No.</p>      | <p>1.3</p>   |
| <p>Prepared by</p>      | <p>Quality Control</p>   |

END OF SAFETY DATA SHEET



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