

## SAFETY DATA SHEET

Version 5.4  
Revision Date 08/21/2014  
Print Date 03/09/2015

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**1. PRODUCT AND COMPANY IDENTIFICATION****1.1 Product identifiers**

Product name : Leukocyte Alkaline Phosphatase Kit  
Product Number : 85L3R  
Brand : Sigma

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Identified uses : Laboratory chemicals, Manufacture of substances

**1.3 Details of the supplier of the safety data sheet**

Company : Sigma-Aldrich  
3050 Spruce Street  
SAINT LOUIS MO 63103  
USA  
Telephone : +1 800-325-5832  
Fax : +1 800-325-5052

**1.4 Emergency telephone number**

Emergency Phone # : (314) 776-6555

This is a summary MSDS for a kit, for the full MSDS for each of the components listed in section 16 please visit our website.

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**2. HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture****GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

Skin irritation (Category 2), H315  
Eye irritation (Category 2A), H319  
Respiratory sensitisation (Category 1), H334  
Skin sensitisation (Category 1), H317  
Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335

For the full text of the H-Statements mentioned in this Section, see Section 16.

**2.2 GHS Label elements, including precautionary statements**

Pictogram



Signal word

Danger

Hazard statement(s)

H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H335 May cause respiratory irritation.

Precautionary statement(s)

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P264 Wash skin thoroughly after handling.

P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/ eye protection/ face protection.
P285	In case of inadequate ventilation wear respiratory protection.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321	Specific treatment (see supplemental first aid instructions on this label).
P333 + P313	If skin irritation or rash occurs: Get medical advice/ attention.
P337 + P313	If eye irritation persists: Get medical advice/ attention.
P342 + P311	If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician.
P362	Take off contaminated clothing and wash before reuse.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/ container to an approved waste disposal plant.

**2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none**

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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Refer to component MSDS

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**4. FIRST AID MEASURES**

Refer to component MSDS

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**5. FIREFIGHTING MEASURES**

Refer to component MSDS

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**6. ACCIDENTAL RELEASE MEASURES**

Refer to component MSDS

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**7. HANDLING AND STORAGE**

**7.1 Precautions for safe handling**

For precautions see section 2.2.

**7.2 Conditions for safe storage, including any incompatibilities**

Keep tightly closed in a dry, cool and well-ventilated place. Store in cool place.

Recommended storage temperature 2 - 8 °C

**7.3 Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Refer to component MSDS

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

Refer to component MSDS

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**10. STABILITY AND REACTIVITY**

Refer to component MSDS

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**11. TOXICOLOGICAL INFORMATION**

Refer to component MSDS

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**12. ECOLOGICAL INFORMATION**

Refer to component MSDS

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**13. DISPOSAL CONSIDERATIONS**

Refer to component MSDS

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**14. TRANSPORT INFORMATION****DOT (US)**

UN number: 3316      Class: 9      Packing group: II  
Proper shipping name: Chemical kits  
Marine pollutant: No  
Poison Inhalation Hazard: No

**IMDG**

UN number: 3316      Class: 9      Packing group: II      EMS-No: F-A, S-P  
Proper shipping name: CHEMICAL KIT  
Marine pollutant: No

**IATA**

UN number: 3316      Class: 9      Packing group: II  
Proper shipping name: Chemical kit

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**15. REGULATORY INFORMATION****SARA 311/312 Hazards**

Acute Health Hazard, Chronic Health Hazard

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**16. OTHER INFORMATION****Kit Components:**

Citrate Concentrate	SIGMA	CR0795	Eye Irrit. 2A; H319
Hematoxylin solution	FLUKA	73840	Resp. Sens. 1; Skin Sens. 1; H317, H334
Naphthol AS-MX phosphate	SIGMA	N4875	Skin Irrit. 2; Eye Irrit. 2A; STOT SE 3; H315, H319, H335
Fast Violet B Salt	ALDRICH	201596	

**HMIS Rating**

Health hazard: 2  
Chronic Health Hazard: \*  
Flammability: 0  
Physical Hazard: 0

**NFPA Rating**

Health hazard: 2  
Fire Hazard: 0  
Reactivity Hazard: 0

**Further information**

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. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See [www.sigma-aldrich.com](http://www.sigma-aldrich.com) and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

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**Preparation Information**  
Sigma-Aldrich Corporation  
Product Safety – Americas Region  
1-800-521-8956

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