



# SAFETY DATA SHEET

Revision Date 11-Sep-2015

Version 2

## 1. IDENTIFICATION

**Product Name** Differential Rapid Blood Stain, Solution B  
**Product Code** 2291  
**Recommended Use** For laboratory, scientific, R&D or manufacturing use.  
**Company** E K Industries, Inc.  
1403 Herkimer St.  
Joliet, IL 60432  
Tel. (800) 283-4244  
**Emergency Telephone** Call CHEMTREC 1-800-424-9300 (EKI CCN 7453)

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

### Label elements

Although this product does not normally require specific hazard precautions, chemical users should always take care to minimize personnel exposure and workplace contamination. Store tightly closed at 15-30C.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
Water	7732-18-5	>95
Potassium phosphate, monobasic	7778-77-0	<1
Sodium Phosphate, dibasic	7558-79-4	<1
Methylene blue	7220-79-3	<1
Azure A	531-53-3	<1

## 4. FIRST AID MEASURES

### Description of first aid measures

**General advice** This chemical is not expected to produce any significant adverse health effects.

**Eye contact** Flush eyes with plenty of water, removing contact lenses if present. Get medical attention if irritation develops.

**Skin contact** Wash thoroughly with soap and water while removing contaminated garments. Get medical attention if irritation develops.

**Inhalation** Remove to fresh air. Get medical attention for any breathing difficulty.

**Ingestion** Rinse mouth and drink several glasses of water. Contact a physician or poison control center if symptoms develop.

## 5. FIRE-FIGHTING MEASURES

### Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

### Specific hazards arising from the chemical

No information available.

**Hazardous combustion products** Carbon oxides. Hydrogen chloride. Phosphorus oxides. Sodium oxides. Oxides of potassium. Nitrogen oxides (NOx). Sulphur oxides.

### Protective equipment and precautions for firefighters

Firefighters should wear self-contained breathing apparatus with full facepiece operated in pressure-demand or other positive pressure mode.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Use personal protective equipment as required. Ensure adequate ventilation, especially in confined areas.

**Environmental precautions** Prevent entry into waterways, sewers, basements or confined areas.

### Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Absorb spill with inert material, scoop up and containerize for disposal.

## 7. HANDLING AND STORAGE

**Precautions for safe handling** Use personal protective equipment as required  
Handle in accordance with good industrial hygiene and safety practice.

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible materials** None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Occupational exposure limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

### Appropriate engineering controls

**Engineering Controls** Emergency showers, eyewash stations, ventilation systems.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical state</b>	Liquid
<b>Appearance</b>	Clear, Blue
<b>Odor</b>	Odorless
<b>Odor threshold</b>	No information available

pH	No information available
Melting point / freezing point	No information available
Boiling point / boiling range	No information available
Flash point	No information available
Evaporation rate	No information available
Flammability (solid, gas)	No information available
Flammability Limit in Air	
Upper flammability limit:	No information available
Lower flammability limit:	No information available
Vapor pressure	No information available
Vapor density	No information available
Relative density	No information available
Water solubility	Miscible with water
Solubility in other solvents	No information available
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under recommended storage conditions.
<b>Possibility of Hazardous Reactions</b>	No information available.
<b>Conditions to avoid</b>	Extremes of temperature and direct sunlight
<b>Incompatible materials</b>	None known based on information supplied.
<b>Hazardous Decomposition Products</b>	Carbon oxides. Nitrogen oxides (NOx). Hydrogen chloride. Sulphur oxides. Sodium oxide. Oxides of potassium. Oxides of phosphorus.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

Component	Oral LD50	Dermal LD50	Inhalation LC50
Potassium phosphate, monobasic 7778-77-0 (<1)	-	> 4640 mg/kg ( Rabbit )	-
Sodium Phosphate, dibasic 7558-79-4 (<1)	= 17 g/kg ( Rat )	-	-

**Symptoms** No information available.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Skin corrosion/irritation</b>	No information available.
<b>Serious eye damage/eye irritation</b>	No information available.
<b>Irritation</b>	No information available.
<b>Sensitization</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	The table below indicates whether each agency has listed any ingredient as a carcinogen

Chemical Name	ACGIH	IARC	NTP	OSHA
Methylene blue 7220-79-3	-	Group 3	-	-

### **Legend**

IARC (International Agency for Research on Cancer)  
Group 3 - Not classifiable as to carcinogenicity in humans

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

None known

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods****Disposal of wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**14. TRANSPORT INFORMATION**

**Note:** Transportation information is provided as a general reference only and may not be applicable in all situations. This information applies to non-bulk shipments only. Per 49 CFR §173.22, it is the shipper's responsibility to ensure that all materials are properly packaged, classified and labeled prior to shipment.

**DOT** Not regulated

**IATA** Not regulated

**15. REGULATORY INFORMATION**

No information available.

**16. OTHER INFORMATION**

**Prepared By** EKI Regulatory Affairs (Email: reg@eki-chem.com)

**Revision Date** 11-Sep-2015

**Disclaimer**

E K Industries, Inc. makes no representation as to the comprehensiveness or accuracy of this document. Individuals using this information, or the product to which it refers, must exercise their independent judgment in determining all appropriateness for a particular purpose. Accordingly, E K Industries, Inc. will not be responsible for damages of any kind or nature resulting from the use of this information or the corresponding product. No representations or warranties of any kind or nature, including but not limited to: express warranties, implied warranties or merchantability, or warranties of fitness for a particular purpose, are made hereunder with respect to the information set forth herein or to the product to which the information refers.

**End of Safety Data Sheet**