

## Material Safety Data Sheet

### **SECTION 1 – IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY**

**Product Name:** Total and Direct Bilirubin Kit – Bilirubin Sulfanilic Acid Solution  
**Product Number:** B2A102  
**Manufacturer/Supplier:** Advanced Instruments, Inc.  
Two Technology Way  
Norwood, MA 02062  
1-781-320-9000

**Origin:** USA

**Date of Issue:** 2013-04-09

**Chemical Identification(s):** 4-Amino-benzenesulfonic Acid and Hydrochloric Acid (HCl)  
**Intended Use:** Bilirubin Sulfanilic Acid Solution for use with the Advanced Bilirubin Stat-Analyzer (Model BR2).

### **SECTION 2 – HAZARDS IDENTIFICATION**

#### **Health**

**Routes of Entry:**

Inhalation, ingestion, or skin contact.

**Health Hazards:**

Irritating on contact with skin, eyes, mucous membranes, or upper respiratory tract.

**Carcinogenicity:**

None indicated

**Symptoms of Exposure:**

None indicated

**Medical Conditions Aggravated by Exposure:**

None indicated

### **SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS**

**Component:**

4-Amino-benzenesulfonic Acid

**CAS #:**

121-57-3

**Synonyms:**

p-anilinesulfonic acid

**Percent:**

<1%

**Component:**

Hydrochloric Acid

**CAS #:**

7647-01-0

**Synonyms:**

Hydrochloride, muriatic acid, chlorohydric acid

**Percent:**

<1%

### **SECTION 4 – FIRST AID MEASURES**

**Emergency and First Aid Procedures:**

SEEK MEDICAL ASSISTANCE IN ALL CASES OF OVEREXPOSURE.

**Eyes:**

In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

**Skin:**

In case of contact, immediately wash skin with soap and copious amounts of water.

**Inhalation:**

If inhaled, remove to fresh air.

**Ingestion:**

If conscious, drink water and induce vomiting immediately as directed by medical personnel.

## **SECTION 5 – FIRE FIGHTING MEASURES**

### **Flash Point (°F):**

Not available

### **Flammable Limits:**

LEL: Not available

UEL: Not available

### **Extinguishing Media:**

Water spray, carbon dioxide, dry chemical powder, or appropriate foam

### **Fire Fighting Procedures:**

Wear self-contained breathing apparatus and protective clothing.

### **Fire and Explosion Hazards:**

Not considered to be a fire or explosion hazard.

## **SECTION 6 – ACCIDENTAL RELEASE MEASURES**

### **Spill Response:**

Wear suitable protective equipment listed under Section 8, Exposure Controls/Personal Protection. Eliminate any ignition sources until the area is determined to be free from explosion or fire hazards. Contain the release and eliminate its source, if it can be done without risk. Clean up and place in closed container for proper disposal as described under, Section 13, Disposal Considerations. Comply with local, state, and country regulations on reporting releases. Refer to Section 15, Regulatory Information, for regulatory data.

## **SECTION 7 – HANDLING AND STORAGE**

Keep container tightly closed. Store at controlled room temperature. Do not get in eyes, on skin, or on clothing.

## **SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **Ventilation, Respiratory Protection, Protective Clothing, Eye Protection:**

Adequate ventilation is required. Protective gloves must be worn to prevent skin contact (Neoprene or equivalent). Safety glasses with side shields must be worn at all times.

### **Work/Hygienic Practices:**

Wash hands thoroughly after handling. Do not take internally. Eyewash and safety equipment should be readily available.

## **SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

### **Appearance:**

Clear liquid

### **Boiling Point:**

Not available

### **Specific Gravity (H<sub>2</sub>O = 1):**

Not available

### **Melting Point (°C):**

Not available

### **Evaporation Rate (BuAc = 1):**

Not available

### **Vapor Pressure (mm Hg):**

Not available

### **Vapor Density (AIR = 1):**

Not available

### **Volatility:**

Not available

### **Solubility in Water (%):**

Soluble

## **SECTION 10 – STABILITY AND REACTIVITY**

### **Stability:**

Stable

### **Conditions to Avoid:**

Strong oxidants, very acidic or very alkaline substances

### **Materials to Avoid:**

Most metals, nitric acid

### **Hazardous Decomposition:**

Nitrogen oxides, carbon monoxide, oxides of sulfur, carbon dioxide

**Hazardous Polymerization:**

Will not occur.

**SECTION 11 – TOXICOLOGICAL INFORMATION**

**Symptoms of Exposure:**

Ingestion is harmful and may be fatal. Irritating on contact with skin, eyes, mucous membranes, or upper respiratory tract.

**Medical Conditions Aggravated by Exposure:**

None indicated.

**Routes of Entry:**

Inhalation, ingestion, or skin contact.

**Carcinogenicity:**

None indicated

**Toxicity Data:**

None indicated

**Toxicological Findings:**

None indicated

**SECTION 12 – ECOLOGICAL INFORMATION**

Data not available

**SECTION 13 – DISPOSAL CONSIDERATIONS**

**EPA Waste Numbers:**

Not available

**Treatment:**

Specified Technology – Contact your local permitted waste disposal site (TSD) for permissible treatment sites.  
ALWAYS CONTACT A PERMITTED WASTE DISPOSAL SITE (TSD) TO ASSURE COMPLIANCE WITH ALL CURRENT LOCAL, STATE, AND COUNTRY REGULATIONS.

**SECTION 14 – TRANSPORTATION INFORMATION**

**DOT Proper Shipping Name:**

Not regulated

**DOT ID Number:**

Not regulated

**SECTION 15 – REGULATORY INFORMATION**

**European Information:**

Not available

**Reviews, Standards, and Regulations:**

Not available

**SECTION 16 – OTHER INFORMATION**

**Comments:**

None

**NFPA Hazard Ratings:**

Health: Not available

Flammability: Not available

Reactivity: Not available

Special Hazards: Not available

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