

# Safety Data Sheet

Quick I Blue

Revision Date: 01/16/19

## 1. PRODUCT AND COMPANY IDENTIFICATION

<b>1.1 Product identifier</b>	Trade name: Quick I Blue Product code(s): 5231B-90, 5231B-16, 5232B-32, 5232B-G
<b>1.2 Relevant identified uses</b>	Laboratory Reagent
<b>Supplier:</b>	Astral Diagnostics Inc.  800-441-0366 Technical Service Monday-Friday: 8:00 -5:00 PM
<b>Synonym:</b>	None.
<b>Material uses:</b>	Laboratory Reagent.
<b>Validation date:</b>	12/11/2013
<b>In case of emergency:</b>	800-424-9300 CHEMTREC (USA) 24 Hours/Day: 7 Days/Week

## 2. HAZARDS IDENTIFICATION

### Emergency Overview:

#### GHS Label Elements: Pictogram



Signal Word:

**Danger!**

#### Hazard statement(s):

**H225:** Highly flammable liquid vapor

**H301+H311+H331:** Toxic if swallowed, in contact with skin or if inhaled

**H370:** Causes damage to organs

#### Precautionary statement(s):

**P210:** Keep away from heat/sparks/open flames. No smoking

**P233:** Keep container tightly closed

**P242:** Use only non-spark tools

**P264:** Wash skin thoroughly after handling

#### NFPA Rating

Health hazard: 2

Fire: 3

Reactivity Hazard: 0

#### HMIS Classification

Health hazard: 2

Flammability: 3

Physical hazards: 0

**Potential Health Effects :** Inhalation - Causes respiratory tract irritation.  
Skin - Causes skin irritation.  
Eyes - Causes eye irritation.  
Ingestion – Potentially toxic if swallowed in large quantities.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS number	% by volume
Methanol	67-56-1	~100
Wright Stain	68988-92-1	<1
Methylene Blue	7220-79-3	<1
Eosin Y	17372-87-1	<1
Glycerin	56-81-5	~4
Tris	77-86-1	<1
Maleic Acid	110-16-17	<1
Potassium Hydroxide	1310-58-3	<1

### 4. FIRST AID MEASURES

**First-aid measures general:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**First-aid measures after inhalation:** *Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.*

**First-aid measures after skin contact:** Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a poison center or doctor/physician.

**First-aid measures after eye contact:** 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.

**First-aid measures after ingestion:** Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

### 5. FIREFIGHTING MEASURES

#### 5.1 Extinguishing media

Suitable extinguishing media: Foam. Dry powder. Carbon dioxide. Water spray. Sand.  
Unsuitable extinguishing media: Do not use a heavy water stream

#### 5.2 Special hazards arising from the substance or mixture

No additional information available

#### 5.3 Advice for firefighters

Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. Do not enter fire area without proper protective equipment, including respiratory protection.

### 6. ACCIDENTAL RELEASE MEASURES

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

Protective equipment: Gloves. Safety glasses. Combined gas/dust mask with filter type B/P3.  
Emergency procedures: Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

Protective equipment: Equip cleanup crew with proper protection.  
Emergency procedures: Ventilate area.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection

## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

**Precautions for safe handling:** Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not breathe mist, vapors, spray. Obtain special instructions before use. Use personal protective equipment as required. Do not handle until all safety precautions have been read and understood.

**Hygiene measures:** Wash exposed skin thoroughly after handling. Wash contaminated clothing before reuse.

### 7.2. Conditions for safe storage, including any incompatibilities

**Technical measures:** Comply with applicable regulations.

**Storage conditions:** Keep container closed when not in use. Protect from sunlight. Store in a well-ventilated place.

**Incompatible products:** Strong oxidizers. Strong reducing agents. Strong bases.

**Incompatible materials:** Sources of ignition. Direct sunlight

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Consult local authorities for acceptable exposure limits.

Component	Source	Type	Value	Note
Methanol	ACGH	TWA	200 ppm	
	OSHA	PEL (TWA)	260 mg/m <sup>3</sup>	
	OSHA	REL (TWA)	200 ppm	
	NIOSH	TWA	200 ppm, 260 mg/m <sup>3</sup>	
Glycerin	ACGIH	TWA	10 mg/m <sup>3</sup>	
	OSHA	PEL	5 mg/m <sup>3</sup>	
Potassium Hydroxide	ACGIH	Ceiling	3 mg/m <sup>3</sup>	
	NIOSH	REL	2 ppm	

**Personal protective equipment:** Safety glasses. Gloves. Protective clothing. High gas/vapor concentration: gas mask with filter type B.

**Hand protection:** Wear protective gloves.

**Eye protection:** Chemical goggles or face shield.

**Skin and body protection:** Wear suitable protective clothing.

**Respiratory protection:** Wear appropriate mask. Gas mask with filter type B.

**Other information:** Do not eat, drink or smoke during use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Liquid.  
**Flash Point:** Closed cup: 11°C  
**pH:** NA  
**Melting/freezing point:** NA  
**Vapor pressure:** NA  
**Odor threshold:** NA  
**VOC:** NA

**Color:** Blue/purple  
**Odor:** Alcohol  
**Boiling/condensation point:** NA  
**Relative density:** NA  
**Vapor density:** NA  
**Evaporation rate:** NA  
**Solubility:** Soluble in the following materials: water

## 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

Hygroscopic

### 10.3. Possibility of hazardous reactions

No additional information

### 10.4. Conditions to avoid

Heat, flames and sparks

### 10.5. Incompatible materials

Strong oxidizers, strong bases, strong acids, peroxides, acid anhydrides

### 10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide.

## 11. TOXICOLOGICAL INFORMATION

### Methanol

<b>LD50 oral rat</b>	1187-2,769 mg/kg
<b>LC50 inhalation rat (mg/l)</b>	128.2 mg/l (4hr)
<b>LC50 inhalation rat (mg/l)</b>	87.6 mg/l (6hr)
<b>LD50 Dermal rabbit</b>	17100 mg/kg

### Glycerin

<b>LD50 oral rat</b>	12600 mg/kg
<b>LD50 dermal rat</b>	21900 mg/kg

### Methylene Blue

<b>LD50 oral rat</b>	1180 mg/kg
<b>ATE US (oral)</b>	1180 mg/kg

### Potassium Hydroxide

<b>LD50 oral rat</b>	333 mg/kg
<b>ATE US (oral)</b>	333 mg/kg

## 12. ECOLOGICAL INFORMATION

### Toxicity:

Methanol

<b>LC50 fish 1</b>	15400 mg/l (96h; <i>Lepomis macrochirus</i> ; Lethal)
<b>EC50 Daphnia 1</b>	>10000 mg/l (48h; <i>Daphnia magna</i> ; Lethal)

Glycerin

<b>LC50 fishes 1</b>	64-72 g/l
----------------------	-----------





**WARNING:** This product can expose you to chemicals including Methanol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## 16. OTHER INFORMATION

### National Fire Protection Association (U.S.A.)



#### Notice to reader

This Safety Data Sheet has been prepared in accordance with the Globally Harmonized System for the Classification and Labeling of Chemicals (GHS). To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries makes any warranty of merchantability or any other warranty, expressed or implied, which respect to such information, and we assume no liability resulting from its use. In no event shall Astral Diagnostics, Inc be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages resulting from use of or reliance upon this information.