



**Hematology Reagent B Thiazin Stain / Hematology Reagent B Thiazin Stain Concentrate (diluted)**

Product code: SS-071B, SS-071B-EU, SS-171B2 (diluted)

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preparation (product), see Section 2 and 15.

**SECTION 4: First aid measures****Description of first aid measures****General information**

In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible).

**After inhalation**

Provide fresh air. In case of breathing difficulties administer oxygen. In case of irregular breathing or respiratory arrest provide artificial respiration. Immediately get medical attention.

**After contact with skin**

Remove contaminated clothing immediately and dispose off safely. After contact with skin, wash immediately with: Water and soap. If skin irritation occurs: Get medical advice/attention.

**After contact with eyes**

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

**After ingestion**

Rinse mouth thoroughly with water. Make affected person vomit if conscious. Never give anything by mouth to an unconscious person or a person with cramps. Immediately get medical attention.

**SECTION 5: Firefighting measures****Extinguishing media****Suitable extinguishing media**

Water spray.  
Alcohol resistant foam.  
Dry extinguishing powder.

**Unsuitable extinguishing media**

High power water jet.

**Special hazards arising from the substance or mixture**

Can be released in case of fire: Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).

**Advice for firefighters**

Wear a self-contained breathing apparatus and chemical resistant suit.

**Additional information**

Use water spray/stream to protect personnel and to cool endangered containers.  
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**SECTION 6: Accidental release measures****Personal precautions, protective equipment and emergency procedures**

Remove all sources of ignition. Provide adequate ventilation.  
Wear personal protection equipment. (Refer to section 8.)

**Environmental precautions**

Do not empty into drains or the aquatic environment.  
Dumping into the environment must be prevented.

**Methods and material for containment and cleaning up**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).  
Treat the assimilated material according to the section on waste disposal.  
Clear contaminated area thoroughly.  
Reportable Quantity (RQ) (CWA/CERCLA): 5000 lbs.

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### Reference to other sections

See protective measures under point 7 and 8.

## SECTION 7: Handling and storage

### Precautions for safe handling

#### **Advice on safe handling**

Wear suitable protective clothing. ( Refer to section 8)  
Provide for sufficient ventilation and punctiform suction at critical points.  
Use extractor hood (laboratory).

#### **Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.

#### **Further information on handling**

Flammable vapours can accumulate in steam space of closed systems.

### Conditions for safe storage, including any incompatibilities

#### **Requirements for storage rooms and vessels**

Keep container tightly closed and in a well-ventilated place. Recommended storage temperature: 15°-25°C  
Unsuitable materials for Container: Base metals and alloys

#### **Advice on storage compatibility**

Do not store together with: Organic peroxides. Oxidizing solids. Oxidizing liquids. Food and fodder. Explosives. Substances or mixtures which, in contact with water emit flammable gases. Gases under pressure. Pyrophoric liquids and solids.

#### **Further information on storage conditions**

Keep container tightly closed in a cool, well-ventilated place. Protect against: UV-radiation/sunlight.  
Maximum period of storage (time): 18 M

## SECTION 8: Exposure controls/personal protection

### Control parameters

#### **Exposure limits**

CAS No.	Components	ppm	mg/m <sup>3</sup>	fib/cc	Category	Origin
64-17-5	Ethyl alcohol	1000	1900		TWA (8 h)	REL
	Ethyl alcohol (Ethanol)	1000	1900		TWA (8 h)	PEL
67-56-1	Methyl alcohol	200	260		TWA (8 h)	PEL
		200	260		TWA (8 h)	REL
		250	325		STEL (15 min)	REL

### Exposure controls

#### **Occupational exposure controls**

Use extractor hood (laboratory). Provide for sufficient ventilation and punctiform suction at critical points.  
Additional information: refer to chapter 7. No further action is necessary.

#### **Protective and hygiene measures**

Always close containers tightly after the removal of product. Do not eat, drink, smoke or sneeze at the workplace. Wash hands before breaks and at the end of work. Remove contaminated clothing immediately and dispose off safely. Wash contaminated clothing prior to re-use. Used working clothes should not be used outside the work area. Street clothing should be stored separately from work clothing.

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### Respiratory protection

Respiratory protection required in case of:  
 exceeding critical value  
 insufficient ventilation.  
 insufficient absorption.

Suitable respiratory protective equipment: gas filtering equipment (EN 141): Type: AX

### Hand protection

Pull-over gloves of rubber. DIN EN 374

Suitable material:

(penetration time (maximum wearing period):  $\geq 8$  Stunden):

Butyl rubber.

(penetration time (maximum wearing period):  $\geq 4$  Stunden):

FKM (fluororubber).

(penetration time (maximum wearing period):  $\geq 1$  Stunden):

CR (polychloroprenes, Chloroprene rubber).

Before using check leak tightness / impermeability. In case of reutilization, clean gloves before taking off and store in well-aired place.

### Eye protection

Suitable eye protection: Tightly sealed safety glasses. DIN EN 166

### Skin protection

Suitable protection of the body: Protective apron.

### Environmental exposure controls

This material and its container must be disposed of in a safe way.

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Form: liquid  
 Color: blue  
 Odor: Alcohol.

pH-Value: 6,7-6,9

### Test method

### Changes in the physical state

Melting point:  $<0$  °C  
 Boiling point:  $>64$  °C  
 Flash point: 25-27 °C  
 Density: 0,88-0,90 g/cm<sup>3</sup>  
 Water solubility: miscible.

## SECTION 10: Stability and reactivity

Stability: Stable  
 Possibility of Hazardous Reactions: Will not occur

### Conditions to avoid

Keep away from heat.  
 In case of warming: Explosion hazard. Ignition hazard.  
 In case of shock or pressure: Explosion hazard. Ignition hazard.

### Incompatible materials

Oxidizing agents, strong. Acid. Slowly corrodes aluminium and zinc under hydrogen evolution.

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**Hazardous decomposition products**Can be released in case of fire: Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).**SECTION 11: Toxicological information****Information on toxicological effects****Irritation and corrosivity**

Irritant effect on the eye: slightly irritant but not relevant for classification.

Irritant effect on the skin: slightly irritant but not relevant for classification.

**Sensitizing effects**

No evidence for: Sensitization

**Severe effects after repeated or prolonged exposure**

Methanol.:

NOAEL: 270 mg/kg

**Carcinogenic/mutagenic/toxic effects for reproduction**

Methanol.:

No evidence for: Carcinogenicity

No evidence for: Developmental toxicity/teratogenicity

No evidence for: In-vitro mutagenicity

During animal experiments no indications of reproductive toxicity were observed.

**SECTION 12: Ecological information****Persistence and degradability**

Product is biodegradable.

**SECTION 13: Disposal considerations****Waste treatment methods****Advice on disposal**

Waste disposal according to official state regulations. Consult the local waste disposal expert about waste disposal. Moreover, national legislation has to be observed!

**Contaminated packaging**

Cleaned containers may be recycled.

**SECTION 14: Transport information****US DOT 49 CFR 172.101****Proper shipping name**

Consumer commodity

Hazard Class or Division:

ORM-D

Label:

**Land transport (ADR/RID)****UN number:** 1992**UN proper shipping name:** FLAMMABLE LIQUID, TOXIC, N.O.S.**Transport hazard class(es):** 3**Packing group:** III

Hazard label: 3+6.1

## Material Safety Data Sheet

according to ANSI Z400.1-2004

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Classification Code: FT1  
 Limited quantity: 5 L  
 Hazard-no.: 36  
 Tunnel restriction code: D/E

**Other applicable information**

Excepted quantity: E2  
 Excepted quantity: E1

**Inland waterways transport**

UN number: 1992  
UN proper shipping name: FLAMMABLE LIQUID, TOXIC, N.O.S.  
Transport hazard class(es): 3  
Packing group: III  
 Hazard label: 3+6.1



Classification Code: FT1  
 Limited quantity: 5 L

**Other applicable information**

Excepted quantity: E2  
 Excepted quantity: E1

**Marine transport**

UN number: 1992  
UN proper shipping name: FLAMMABLE LIQUID, TOXIC, N.O.S.  
Transport hazard class(es): 3  
Packing group: III  
 Hazard label: 3+6.1



Limited quantity: 5 L  
 EmS: F-E, S-D

**Other applicable information**

Excepted quantity: E2  
 Excepted quantity: E1

**Air transport**

UN/ID number: 1992  
UN proper shipping name: FLAMMABLE LIQUID, TOXIC, N.O.S.  
Transport hazard class(es): 3  
Packing group: III  
 Hazard label: 3+6.1

## Material Safety Data Sheet

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Limited quantity Passenger: 2 L  
 IATA-packing instructions - Passenger: 355  
 IATA-max. quantity - Passenger: 60 L  
 IATA-packing instructions - Cargo: 366  
 IATA-max. quantity - Cargo: 220 L

#### Other applicable information

Excepted quantity: E2  
 Passenger-LQ: Y341  
 Excepted quantity: E1  
 Passenger-LQ: Y344  
 Passenger-LQ: Y343

#### Other applicable information

Exceptions and other: shipped according to ORM-D exceptions 49CFR173.156 (may also be shipped as Class 3, packing group III, UN 1993, limited quantity - 49CFR173.150b)

### SECTION 15: Regulatory information

#### U.S. Regulations

##### SARA

Section 313 Toxic Release Chemicals  
Methanol (CAS 67-56-1).

### SECTION 16: Other information

#### Hazardous Materials Information Label (HMIS)

Health: 2  
 Flammability: 3  
 Physical Hazard: 0

#### NFPA Hazard Ratings

Health: 2  
 Flammability: 3  
 Reactivity: 0  
 Unique Hazard:



#### Changes

2014-09-03 Rev. A. Initial release.

#### Other data

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*