

Safety Data Sheet

3% ACETIC ACID WITH METHYLENE BLUE**EFFECTIVE DATE: 2015-03-09**

1 Product and Company Identification

- 1.1 Product Name:** 3% Acetic Acid with Methylene Blue
- 1.2 Catalog Number:** 07060
- 1.3 Synonyms:** Not Available
- 1.4 Product Use:** Cell Culture
- 1.5 Manufacturer/Supplier:** STEMCELL Technologies
Suite 500-1618 Station Street
Vancouver, British Columbia V6A 1B6 Canada
- 1.6 In Case of Emergency Call:** 1-800-667-0322

2 Hazards Identification

2.1 Classification of the substance or mixture

Skin Irritation, Category 2
Serious Eye Damage, Category 1

2.2 Label elements

Pictogram



Signal word Danger

Hazard statement(s)

H315 Causes skin irritation.
H318 Causes serious eye damage.

Precautionary statement(s)

P264 Wash {hands} thoroughly after handling.
P280 Wear {protective gloves/protective clothing/eye protection/face protection}.

P302+352 IF ON SKIN: Wash with plenty of soap and water.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/ physician.
P332+313 If skin irritation persists, get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.

2.3 Other hazards Target Organs: Teeth, Kidney

Safety Data Sheet

3% ACETIC ACID WITH METHYLENE BLUE**EFFECTIVE DATE: 2015-03-09**

3 Composition / Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Concentration	EC #
Acetic acid	64-19-7	3%	200-580-7

4 First Aid Measures

4.1 Description of first aid measures

4.1.1 If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

4.1.2 In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

4.1.3 In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

4.1.4 If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The toxicological properties of this product have not been fully evaluated.

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5 Fire Fighting Measures

5.1 Extinguishing Media

Suitable Extinguishing Media

Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray.

5.2 Special hazards arising from the substance or mixture

Carbon oxides

5.3 Fire Fighting Instructions

Wear self-contained breathing apparatus for firefighting if necessary.

6 Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

For personal protection see section 8.

Safety Data Sheet

3% ACETIC ACID WITH METHYLENE BLUE
EFFECTIVE DATE: 2015-03-09

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

7 Handling and Storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

For precautions see section 2.2.

7.2 Conditions for safe storage

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

8 Exposure Controls/Personal Protection

8.1 Exposure limits

Component	CAS #	Value	Control parameters	Basis
Acetic acid	64-19-7	TWA	10 ppm 25 mg/m ³	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
		STEL	15 ppm 37 mg/m ³	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
		TWA	10 ppm	Canada. British Columbia OEL
		STEL	15 ppm	Canada. British Columbia OEL
		TWAEV	10 ppm 25 mg/m ³	Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants
		STEV	15 ppm 37 mg/m ³	Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants
		TWA	10 ppm	USA. ACGIH Threshold Limit Values (TLV)
		STEL	15 ppm	USA. ACGIH Threshold Limit Values (TLV)
		TWA	10 ppm 25 mg/m ³	Europe. Commission Directive 91/322/EEC on establishing indicative limit values
	Remarks	Indicative		

8.2 Engineering controls

Use mechanical exhaust or laboratory fumehood to avoid exposure.

Safety Data Sheet

3% ACETIC ACID WITH METHYLENE BLUE**EFFECTIVE DATE: 2015-03-09**

8.3 Personal protective equipment

8.3.1 Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

8.3.2 Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

8.3.3 Respiratory protection

Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

8.3.4 General hygiene considerations

General industrial hygiene practice.

9 Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance	Clear, blue liquid
Odour	No data available
Odour threshold	No data available
Melting point/freezing point	No data available
Boiling point/boiling range	No data available
Decomposition temperature	No data available
Relative density	No data available
Solubility in water	No data available
Solubility in other liquids	No data available
pH	No data available
Partition coefficient: n-octanol/water	No data available
Viscosity	No data available
Vapour pressure	No data available
Vapour density	No data available
Evaporation rate	No data available
Flash point	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Auto-ignition temperature	No data available

9.2 Other information

No data available

Safety Data Sheet**3% ACETIC ACID WITH METHYLENE BLUE****EFFECTIVE DATE: 2015-03-09****10 Stability and Reactivity**

10.1 Reactivity	No data available
10.2 Chemical stability	Stable under recommended storage conditions.
10.3 Possibility of hazardous reactions	No data available
10.4 Conditions to avoid	No data available
10.5 Incompatible materials	Oxidizing agents, Soluble carbonates and phosphates, Hydroxides, Metals, Peroxides, permanganates, e.g. potassium permanganate, Amines, Alcohols
10.6 Hazardous decomposition products	No data available

11 Toxicological Information

- 11.1 Acute toxicity**
No data available
- 11.2 Skin corrosion/irritation**
No data available
- 11.3 Serious eye damage/eye irritation**
No data available
- 11.4 Aspiration hazard**
No data available
- 11.5 Specific target organ toxicity - single exposure**
No data available
- 11.6 Specific target organ toxicity - repeated exposure**
No data available
- 11.7 Respiratory and/or skin sensitization**
No data available
- 11.8 Carcinogenicity**
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
- 11.9 Reproductive toxicity**
No data available
- 11.10 Germ cell mutagenicity**
No data available
- 11.11 Signs and symptoms of exposure**
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Safety Data Sheet

3% ACETIC ACID WITH METHYLENE BLUE**EFFECTIVE DATE: 2015-03-09**

11.12 RTECS # No data available

12 Ecological Information

12.1 Toxicity	No data available
12.2 Persistence and degradability	No data available
12.3 Bioaccumulative potential	No data available
12.4 Mobility in soil	No data available
12.5 Other adverse effects	No data available

13 Disposal Considerations

13.1 Waste disposal method	Dispose in accordance with local, provincial/state, and federal regulations.
----------------------------	--

14 Transport Information

14.1 UN number	No data available
14.2 UN proper shipping name	DOT Not dangerous goods ADR/RID Not dangerous goods IMDG Not dangerous goods IATA Not dangerous goods
14.3 Transport hazard class(es)	No data available
14.4 Packing group	No data available
14.5 Environmental hazards	No data available
14.6 Special precautions	No data available

15 Regulatory Information

15.1 WHMIS Classification

E Corrosive Material

15.2 EU Classification

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

15.3 Regulatory information statement

This SDS was prepared according to the Canadian Controlled Products Regulation and contains all the information required by those regulations.

This SDS was prepared in accordance with Regulation (EC) No.1272/2008 and European Directive 67/548/EEC as amended.

Safety Data Sheet

3% ACETIC ACID WITH METHYLENE BLUE**EFFECTIVE DATE: 2015-03-09**

16 Other Information

16.1 Prepared by: Quality Control, STEMCELL Technologies Inc.

16.2 Revision: N/A

16.3 Notice: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. STEMCELL Technologies Inc. shall not be held liable for any damage resulting from handling or from contact with the product. The information contained in this Safety Data Sheet (SDS) is current as of the Effective Date shown in this document and may be subject to amendment by STEMCELL Technologies Inc.

16.4 Disclaimer: **THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT INTENDED FOR HUMAN OR ANIMAL DIAGNOSTIC OR THERAPEUTIC USES.**