

SDS (SAFETY DATA SHEET)

1. Identification of the substance/mixture and of the company/undertaking

Identification of the substance/preparation

Product code ABI-107-01 and ABI-107-02

Product name Trypan Blue Stain, 4% Solution

For Research Use (RUO) Only. Not intended for human or animal diagnostic or therapeutic uses.

Company/Undertaking Identification

www.americanbioinnovations.com

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2. Hazards identification

GHS - Classification

Signal Word

DANGER

GHS Final Health Effects Graphic



Health Hazard

Carcinogenicity	Category 1B
Reproductive Toxicity	Category 2

Physical Hazards

Not hazardous

Hazard Statements

H341 – Suspected of causing genetic defects

H350 – May cause cancer

H361 – Suspected of damaging fertility or the unborn child

Precautionary Statements

P202 – Do not handle until all safety precautions have been read and understood

P281– Use personal protective equipment as required

P308 + P313 – IF exposed or concerned: Get medical attention/advice

Principle Routes of Exposure/ Potential Health effects

Eyes May cause eye irritation with susceptible persons.

Skin May cause skin irritation in susceptible persons..

Ingestion No information available.

Specific effects

Carcinogenic effects Possible carcinogen.

Mutagenic effects Not mutagenic in Ames Test. Animal experiments showed mutagenic and teratogenic effects.

Reproductive toxicity Experiments have shown reproductive toxicity effects on laboratory animals.

Sensitization Not applicable

Aggravated Medical Conditions No known effects under normal use conditions.

HMIS

Health	3 * Chronic hazard
Flammability	0
Reactivity	0

3. Composition/information on ingredients

Chemical Name	CAS-No	EINECS-No	Weight%
Trypan Blue	72-57-1	200-786-7	0.4

We recommend handling all chemicals with caution.

4. First aid measures

Skin contact Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If symptoms persist, call a physician.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.

Ingestion Never give anything by mouth to an unconscious person. Consult a physician.

Inhalation Move to fresh air. Consult a physician.

Notes to physician Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media	Dry chemical.
Special protective equipment for firefighters	Wear self-contained breathing apparatus and protective suit.

6. Accidental release measures

Personal precautions	Use personal protective equipment
Methods for cleaning up	Soak up with inert absorbent material.

Environmental precautions

Prevent further leakage or spillage, if safe to do so.

See Section 12 for additional information.

7. Handling and storage

Handling	Avoid contact with skin and eyes. Always wear recommended Personal Protective Equipment.
Storage	Keep in a dry, cool and well-ventilated place. Store in properly labeled containers.

8. Exposure controls/personal protection

Exposure limits

Engineering measures

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Hand protection	Impervious gloves.
Eye protection	Safety glasses with side-shields.
Skin and body protection.	Lightweight protective clothing.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls Prevent product from entering drains.

9. Physical and chemical properties

General Information

Form	Liquid	
Appearance	Blue	
Odor	No information available	
Boiling Point/Range	°C no data available	°F no data available
Melting point/range	°C no data available	°F no data available
Flash point	°C no data available	°F no data available
Autoignition temperature	°C no data available	°F no data available
Oxidizing properties	No information available	
Water solubility	soluble	

10. Stability and reactivity

Stability	Stable under normal conditions.
Materials to avoid	No information available
Hazardous decomposition products	No information available.
Polymerization	None under normal processing.

11. Toxicological information

Acute toxicity

Chemical Name	LD50 (oral, rat/mouse)	LD50 (dermal, rat/mouse/rabbit)	LC50 (inhalation, rat/mouse)
Trypan Blue	6200 mg/Kg Rat)	No Data Available	No Data Available

Principle Routes of Exposure/ Potential Health effects

Eyes	May cause eye irritation with susceptible persons.
Skin	May cause skin irritation in susceptible persons.
Inhalation	No information available
Ingestion	No information available.
Carcinogenic effects	Possible carcinogen.
Mutagenic effects	Not mutagenic in Ames Test. Animal experiments showed mutagenic and teratogenic effects.
Reproductive toxicity	Experiments have shown reproductive toxicity effects on laboratory animals.
Sensitization	No information available

12. Ecological information

Ecotoxicity effects	No information available.
Mobility	No information available.
Biodegradation	No information available.
Bioaccumulation	No information available.

13. Disposal considerations

Dispose of in accordance with local regulations.

14. Transport information

IATA

Proper shipping name	Not classified as dangerous in the meaning of transport regulations
Hazard Class	None
Subsidiary Class	None
Packing Group	None
UN-No	None

15. Regulatory information

Component	TSCA
Trypan Blue 72-57-1 (0.4)	Listed

U.S. Federal Regulations

SARA 313

This product contains the following toxic chemical(s) subject to the notification requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986. This law requires certain manufacturers to report on annual emissions of specified chemicals and chemical categories. Please note that if you repackage, or otherwise redistribute, this product to industrial customers, a notice similar to this one should be sent to those customers

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values
Trypan Blue (0.4)	72-57-1	0.4	0.1

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain HAPs.

U.S. State Regulations

Chemical Name	Massachusetts-RTK	New Jersey - RTK	Pennsylvania - RTK	Illinois - RTK	Rhode Island - RTK
Trypan Blue (0.4)	Listed	-	Listed	Listed	Listed

California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical Name	CAS-No	Weight %	Category	Type
Trypan Blue (0.4)	72-57-1	0.4	Carcinogen	

WHMIS hazard class:

D2B Toxic Materials



This product has been classified according to the hazard criteria of the CPR and the SDS contains all of the information required by the CPR

16. Other information

For Research Use Only. Not intended for human or animal diagnostic or therapeutic uses.

The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, American BioInnovations, LLC shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS SDS DOES NOT CONSTITUTE A WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PUPOSE.

End of Safety Data Sheet