

Revision Date: 08/20/2020

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifiers

Catalog Number	Product Name
AA020	Trypan Blue 0.4% Solution 125mL
AA021	Trypan Blue 0.4% Solution 250mL

1.2 Relevant identified uses of substance or mixture and uses advised against

Identified uses: Lab use

1.3 Details of the supplier of the safety data sheet

Company: Bangs Laboratories / A Division of Polysciences
 9025 Technology Drive
 Fishers, Indiana 46038
 USA

Telephone: 800-387-0672

1.4 Emergency telephone number

Emergency Phone: 317-348-1673

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification: Hazardous, Carcinogenicity (Category 1B), H350

Signal word: Danger

Pictogram:



Hazardous substance or mixture according to Regulation (EU) No. 1272/2008.

Hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

Hazard Statement(s)

H000	Low hazard for normal industrial use
H300+H310	Fatal if swallowed or in contact with skin.
H350	May cause cancer.
H410	Very toxic to aquatic life with long lasting effects.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P262	Do not get in eyes, on skin, or on clothing.
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing.
P281	Use personal protective equipment as required.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P301+P310	IF SWALLOWED: Immediately call POISON CENTER or doctor/physician.
P305B	IF IN EYES: Separate eyelids with fingertips.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
P313	Get medical advice/attention
P405	Store locked up.
P351	Rinse cautiously with water for several minutes.
P501	Dispose of contents/ container to an approved waste disposal plant.

2.2 Hazard Ratings: These ratings are Bangs Laboratories, Inc.'s own assessments of the properties of the material using the ANSI/NFPA 704 Standard. Additional information can be found by consulting in the NFPA published ratings lists (List 325 and List 49). If no data is listed, the information is not available.

<i>Health</i>	<i>Flammability</i>	<i>Reactivity</i>
1	0	0

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

<i>Item#</i>	<i>Name</i>	<i>CAS #</i>	<i>% in Product</i>
1	Water	007732185	99.5
2	Trypan Blue	0000072571	0.4
3	Sodium azide	026628228	0.10

SECTION 4: FIRST AID MEASURES

Eyes: In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes. Immediate medical attention is required.

Skin: In case of contact, immediately wash skin with copious amounts of water for at least 15 minutes. Remove and wash contaminated clothing before re-use. Immediate medical attention is required.

Ingestion: Contact physician immediately. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. Contact a physician or Poison Control center immediately.

Systemic: Treatment based on sound judgment of physician and the individual reactions of the patient.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture: Suspended material is not flammable. Sodium azide is known to form explosive compounds when it is combined with metal halides and many heavy metals, such as lead, copper, gold, & silver.

5.3 Advice for firefighters: Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further Information: No data available

SECTION 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. Put all generated waste into an approved container and dispose of as waste. Observe all applicable federal, state, and local disposal laws.

6.2 Environmental Precautions: Prevent further leakage or spillage if safe to do so. Prevent product from entering 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.

6.4 Reference to other sections: For disposal see section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Respiratory Protection: Avoid inhalation of vapour or mist. In cases where there is a likelihood of inhalation exposure to dried particles, wear a NIOSH-approved dust respirator.

7.2 Conditions for safe storage, including any incompatibilities

Ventilation: In case of insufficient ventilation wear suitable respiratory equipment.

Respiratory Protection: None normally needed. In cases where there is a likelihood of inhalation exposure to dried particles, wear a NIOSH-approved dust respirator.

Storage: Store in dry, cool and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure Controls:

Prevent product from entering drains. Do not allow material to contaminate ground water system.

The use of eye protection in the form of safety glasses with side shields and the use of skin protection for hands in the form of gloves are considered minimum and non-discretionary in work places and laboratories. Any recommended personal protection equipment or environmental equipment is to be considered as additional to safety glasses and gloves. Chemical-resistant gloves should be worn whenever this material is handled. The glove material has to be impermeable and resistant to the product. Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough. Rinse and remove gloves immediately after use. Wash hands with soap and water. All glove recommendations presume that the risk of exposure is through splash and not internal immersion of the hands into the product. Since glove permeation data does not exist for this material, no recommendation for the glove material can be given for the product. Permeation data must be obtained from the glove manufacturer to determine if the glove is suitable for the task.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Solubility: soluble
Appearance: dark blue liquid

9.2 Other safety information: None

SECTION 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 Incompatible materials: Strong oxidizing agents

10.5 Hazardous decomposition products: Sodium azide is known to form explosive compounds when it is combined with metal halides and many heavy metals, such as lead, copper, gold, & silver.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects: To the best of our knowledge, the chemical, physical, and toxic properties of this product have not been thoroughly investigated. Sodium azide is known to be highly toxic

Acute Effects: Sodium azide may result in eye and skin irritation. Ingestion may result in nausea, headache, and vomiting.

Chronic Effects: Sodium azide can cause cancer, or alter genetic material. Target organs include heart, nerves, and brain.

Trypan Blue: IARC: 2B - Group 2B: Possibly carcinogenic to humans (Tetrasodium 3,3'-[(3,3'-dimethyl[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[5-amino-4-hydroxynaphthalene-2,7-disulphonate]) - Liver - Irregularities - Based on Human Evidence (Tetrasodium 3,3'-[(3,3'-dimethyl[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[5-amino-4-hydroxynaphthalene-2,7-disulphonate])

SECTION 12: ECOLOGICAL INFORMATION

No Data

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods: The following chart lists the status of the chemical and its components in reference to 40 CFR Part 261.33. If the product is listed by code number, the substance may be subject to special federal and state disposal regulations. If no codes are listed, the material must be disposed of in compliance with all Federal, State, and Local Regulations. Bangs Laboratories disposes of polymer-based microparticles through our standard chemical waste disposal program, which is performed by a licensed provider in a safe, compliant, and environmentally-conscious manner.

<i>CAS #</i>	<i>Waste Code</i>	<i>Regulated Name</i>
007732185	not listed	not listed
0000072571	not listed	not listed
026628228	P105	Sodium azide

SECTION 14: TRANSPORT INFORMATION

Refer to bill of lading or container label for DOT or other transportation hazard classification, if any.

SECTION 15: REGULATORY INFORMATION

All components of this product are on the TSCA public inventory.

Prop 65: Column A identifies those items which are known to the State of California to cause cancer. Column B identifies those which are known to the State of California to cause reproductive toxicity.

<i>CAS #</i>	<i>Column A</i>	<i>Column B</i>
007732185	no	no
0000072571	no	no
026628228	no	no

SARA Toxic Release Chemicals (as defined in Section 313 of SARA Title III): This list identifies the toxic chemicals, including their de minimis concentrations for which reporting is required under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA). This list is also referred to as the Toxic Release Inventory (TRI) List.

<u>CAS #</u>	<u>Regulated Name</u>	<u>de minimis conc %</u>	<u>Rep. Thres.</u>
007732185	not listed	not listed	not listed
0000072571	not listed	not listed	not listed
026628228	Sodium azide	1.0	not listed

SARA Extremely Hazardous Substances and TPQs: This list identifies hazardous substances regulated under Section 302 of SARA Title III with their TPQs (in pounds), as listed in 40 CFR 355, Appendices A and B.

<u>CAS #</u>	<u>Regulated Name</u>	<u>TPQ (pounds)</u>	<u>EHS-RQ (pounds)</u>
007732185	not listed	not listed	not listed
0000072571	not listed	not listed	not listed
026628228	Sodium azide (NaN ₃)	500	1,000

SECTION 16: OTHER INFORMATION

BANGS LABORATORIES, INC. provides the information contained herein in good faith, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose.

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Preparation Information:
Bangs Laboratories, Inc.
1-800-387-0672

END OF SDS