

TBS buffer, 20X solution

Revision Date: 17-Apr-2017

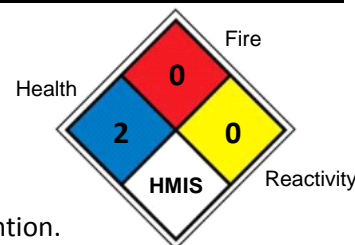
1 PRODUCT AND COMPANY IDENTIFICATION

Product Name: TBS buffer, 20X solution
Catalog #: ACC 00580
Product Use: Buffer
Manufacturer: Agdia, Inc.
 52642 County Road 1
 Elkhart, IN 46514
 (574) 264-2014
Contact: Safety Program Facilitator
Fax: (574) 264-2153
Email: info@agdia.com
Web: www.agdia.com
Emergency: Contact physician or poison control hotline.

2 HAZARDS IDENTIFICATION

GHS Classification: **Warning**

GHS Pictograms:



Precautions: If exposed or concerned, seek medical advice or attention.
GHS Hazards: MAY CAUSE SERIOUS EYE IRRITATION/ DAMAGE (2A).

3 COMPOSITION / INFORMATION ON INGREDIENTS

Composition / Formula: Tris Base (CAS# 77861), 1.1%; Tris HCl (CAS # 1185531), 6.5%; 7647145 Sodium Chloride (CAS# 7647145), 11.7%; and Magnesium Chloride, hexahydrate (CAS# 7791186), 0.4%; in water.

4 FIRST AID MEASURES

Inhalation: Move to fresh air. If breathing is difficult, provide oxygen. Seek medical attention if needed.
Skin Contact: If skin irritation occurs, wash with soap and water.
Eye Contact: MAY CAUSE SERIOUS EYE IRRITATION/ DAMAGE (2A). Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation. Seek medical help.
Ingestion: Rinse mouth with water. Consult a physician if needed.

5 FIRE FIGHTING MEASURES

Fire Fighting: Not expected to ignite. If involved in a fire, use appropriate extinguishing agent for surrounding fire.
Specific Fire Hazards: Emits toxic fumes under fire conditions.

6 ACCIDENTAL RELEASE MEASURES

Accidental Release: Wear suitable laboratory protective clothing. Pick up excess with inert absorbant material and place into separate waste container. Flush area with warm soapy water.

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7 HANDLING AND STORAGE

Handling Precautions: Use standard laboratory safety practices. Protective gear shown in Section 8.
Storage Requirements: Store under refrigeration (+2 to +8 °C).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Use mechanical (general) ventilation for storage areas.
Protective Equipment: Handle in accordance with good industrial hygiene and safety practices. Eye protection and gloves recommended. If substance is a powder, nuisance exposures may be avoided with use of type P95 (US) or type P1 (EU EN 143) particle respirator.
Exposure Guidelines: PEL - None Established. TLV - None Established.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear Liquid	Odor: None	Flash Point: Not available.
Physical State: Liquid	pH: ~ 7.5	Autolgnition: Not available.
Solubility: Completely soluble in water		
Other Information: No additional physical or chemical information available.		

10 STABILITY AND REACTIVITY

Reactivity Hazards: None known.
Conditions To Avoid: None known.
Stability: Stable under normal conditions.
Materials To Avoid: Strong oxidizing agents.
Hazardous By-products: Hazardous decomposition products: Sodium oxides, hydrogen chloride gas, carbon oxides, nitrous vitriol gases. No hazarous reactions known.

11 TOXICOLOGICAL INFORMATION

Toxicology Information: The complete chemical, physical, and toxicological properties of this material have not been thoroughly investigated to the best of Agdia’s knowledge.

12 ECOLOGICAL INFORMATION

Ecological Information: No data available

13 DISPOSAL CONSIDERATIONS

Disposal: Dispose of in accordance with local regulations.

14 TRANSPORT INFORMATION

Transport Information: Not dangerous goods per DOT, IATA, and IMDG.

15 REGULATORY INFORMATION

Regulatory Information: CERCLA: Not Applicable. SARA Title III: Not Listed

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