

TBS buffer, 20X solution

Revision Date: 23-Dec-2020

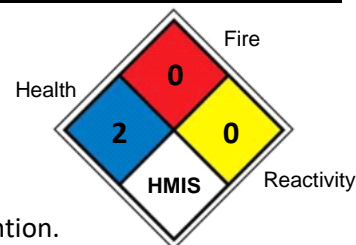
1 PRODUCT AND COMPANY IDENTIFICATION

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.**16 OTHER INFORMATION**

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