

# TBS buffer, 20X concentrate

Revision Date: 03-Nov-2022

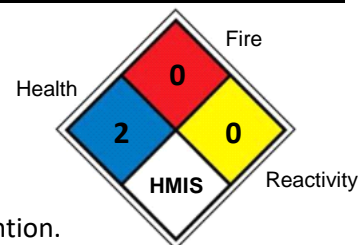
**1 PRODUCT AND COMPANY IDENTIFICATION**

**Product Name:** TBS buffer, 20X concentrate  
**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:** Magnesium chloride, hexahydrate (CAS# 7791-18-6), 0.4%; Sodium chloride (CAS# 7647-14-5), 11.7%; Tris base (CAS# 77-86-1), 1.1%; Tris HCl (CAS # 1185-53-1), 6.5% 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

<b>Appearance:</b> Clear Liquid	<b>Odor:</b> None	<b>Flash Point:</b> Not available.
<b>Physical State:</b> Liquid	<b>pH:</b> ~ 7.5	<b>Autolignition:</b> Not available.
<b>Solubility:</b> Completely soluble in water		
<b>Other Information:</b> 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 hazardous 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

**Disclaimer:** Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained herein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s). This information only describes safety measures and no liability may arise from the use or application of the product described herein. This information is given in good faith and based on our

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current knowledge of the product. For R&D use only. Not for drug, household or other uses.