



# MATERIAL SAFETY DATA SHEET

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Approved by: Darius Nicpon

Section 1 Chemical Product and Company Name		
Product	DIASTASE SOLUTION	ITEM No: 65-3EA
Synonyms	Malt water solution	
CHEMTREC	24 Hour Emergency Phone Number (800) 424-9300	

Section 2 Composition/Ingredients Information			
Chemical Name	CAS#	%	TLV Units
Water	7732-18-5	>99%	Not established
Maltin	9000-91-3	<1%	Not established

Section 3 Hazards Identification											
CAUTION! MAY IRRITATE EYES.		0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe	<table><tr><td>Health</td><td>0</td></tr><tr><td>Flammability</td><td>0</td></tr><tr><td>Physical Hazard</td><td>0</td></tr><tr><td>Personal Protection</td><td>C</td></tr></table>	Health	0	Flammability	0	Physical Hazard	0	Personal Protection	C
Health	0										
Flammability	0										
Physical Hazard	0										
Personal Protection	C										
HMIS											

Section 4 First Aid Measures	
<b>INGESTION:</b> Never give anything by mouth to unconscious person. Rinse mouth and get conscious person drink a glass of milk or water. Do NOT induce vomiting unless directed to do so by medical personnel. Get immediate medical attention. Get medical attention immediately. <b>INHALATION:</b> Remove to fresh air. Get medical attention if necessary. <b>EYE CONTACT:</b> Wash immediately with plenty of water, and continue washing for at least 15min., occasionally lifting upper and lower eyelids. Seek immediate medical attention.	

Section 5		Fire Fighting Measures	
Non flammable liquid.			
<b>Extinguishing Media:</b> Use TriClass, dry chemical extinguisher or water spray for surrounding fires. Firefighters should use self-contained breathing apparatus and protective clothing. At high temperatures or fire conditions may produce toxic or irritating fumes.		<div>0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe</div> 	
<b>Flash point:</b> N/A <b>Autoignition temperature:</b> N/A <b>Explosion limits:</b> Lower: N/A		<b>Upper:</b> N/A	

Section 6 Accidental Release Measures	
Restrict unprotected personnel from the area. Contain the spill with an inert absorbent material and deposit in a sealed bag or container. For small spill use paper towel. Place the wet medium in trash. Ventilate and wash spill area with soap and water.	

Section 7 Handling and Storage	
Read label on container before using. Do not wear contact lenses when working with chemicals. Keep container tightly closed. For laboratory use only. Not for drug, food or household use. Use only under adult supervision. <b>Handling:</b> Use with adequate ventilation. Avoid breathing vapor. Wash hands thoroughly after handling. <b>Storage:</b> Keep container in cool, well-ventilated area. Avoid freezing.	

Section 8 Exposure Controls/ Personal Protection	
<b>Engineering controls:</b> Avoid contact with eyes, skin, and clothing. Wear chemical splash goggles, chemical-resistant gloves, and chemical-resistant apron. Use ventilation to keep airborne concentrations below exposure limits. <b>Respiratory protection:</b> Non should be needed if normal laboratory handling at room temperature. Use self-contained breathing apparatus in high vapor concentrations.	

Section 9 Physical and Chemical Properties	
<b>Physical state:</b> Liquid <b>Appearance:</b> Beige to yellow. <b>Odor:</b> Not available <b>pH:</b> Not available <b>Vapor Pressure ( mm Hg):</b> 2.3kPa at 20 °C (water) <b>Vapor Density:</b> 0.63 (Air=1) (water) <b>Evaporation Rate:</b> not available <b>Viscosity:</b> not available	<b>Boiling point:</b> Not available <b>Melting point:</b> Not available <b>Freezing point:</b> 0 °C/32 °F (water) <b>Decomposition temp:</b> Not available <b>Solubility:</b> Miscible. <b>Specific gravity (H<sub>2</sub>O = 1):</b> Not available <b>Percent volatile (%):</b> Not available <b>Molecular formula:</b> Mixture <b>Molecular weight:</b> Mixture

Section 10 Stability and Reactivity	
<b>Chemical Stability:</b> Stable <b>Conditions to Avoid:</b> Not available. <b>Incompatibilities:</b> Not available <b>Hazardous decomposition:</b> Not available. <b>Hazardous polymerization:</b> Not available.	

Section 11 Toxicological Information	
<b>Effects of overexposure:</b> Eye: May cause slight eye irritation. Skin: None. Inhalation: None. Ingestion: Not expected to cause any acute reactions.  ORAL LD <sub>50</sub> : Not available. SKIN LD <sub>50</sub> : Not available.	

Section 12 Ecological Information	
Data not available.	

Section 13 Disposal Considerations	
Disposal of in accordance with all local, state, and federal regulations, or contact with a licensed chemical disposal agency.	

Section 14 Transport Information	
<b>UN number:</b> Not available <b>Shipping name:</b> Not controlled. <b>Hazard Class:</b> N/A <b>Packing group:</b> N/A <b>Exceptions:</b> N/A	

Section 15 Regulatory Information	
Not available	

Section 16 Other Information	
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