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Ronkonkoma, NY 11779
800-381-8003

MATERIAL SAFETY DATA SHEET

MSDS No: 0119.006.00
Revision Date: December 16, 2011
Approved by: Darius Nicpon

Section 1 Chemical Product and Company Name			ITEM No: CASE-B009
Product	LIQUID STARCH		
Synonyms	Liquid starch		
CHEMTREC	24 Hour Emergency Phone Number (800) 424-9300		

Section 2 Composition/Ingredients Information			
Chemical Name	CAS#	%	TLV Units
Starch solution Benzyl benzoate	Mixture 120-51-4	>99% <1%	Not established Not established

Section 3 Hazards Identification									
CAUTION! MAY BE HARMFUL WHEN SWALLOWED.									
	0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe <table><tr><th>Health</th><th>1</th></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> HMIS	Health	1	Flammability	0	Physical Hazard	0	Personal Protection	C
Health	1								
Flammability	0								
Physical Hazard	0								
Personal Protection	C								

Section 4 First Aid Measures	
INGESTION: 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.	
INHALATION: Remove to fresh air. Get medical attention if necessary.	
EYE CONTACT: 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.	
Extinguishing Media: 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.	
Flash point: N/A	
Autoignition temperature: N/A	
Explosion limits: Lower: N/A	Upper: N/A

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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.	
Handling: Use with adequate ventilation. Avoid breathing vapor. Wash hands thoroughly after handling.	
Storage: Keep container in cool, well-ventilated area. Avoid freezing.	

Section 8 Exposure Controls/ Personal Protection	
Engineering controls: 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.	
Respiratory protection: 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	
Physical state: Liquid	Boiling point: Not available
Appearance: Milky.	Melting point: Not available
Odor: Not available	Freezing point: 0 °C/32 °F (water)
pH: Not available	Decomposition temp: Not available
Vapor Pressure (mm Hg): 2.3kPa at 20 °C (water)	Solubility: Miscible.
Vapor Density: 0.63 (Air=1) (water)	Specific gravity (H ₂ O = 1): Not available
Evaporation Rate: not available	Percent volatile (%): Not available
Viscosity: not available	Molecular formula: Mixture
	Molecular weight: Mixture

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

Section 11 Toxicological Information	
Effects of overexposure: Eye: May cause slight redness, tearing or blurred vision. Skin: None. Inhalation: None. Ingestion: May be harmful when swallowed.	
ORAL LD ₅₀ : 1400mg/kg [Mouse] (Benzyl benzoate).	
SKIN LD ₅₀ : 4000mg/kg [Rat] (Benzyl benzoate).	

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	
UN number: Not available	
Shipping name: Not controlled.	
Hazard Class: N/A	
Packing group: N/A	
Exceptions: N/A	
Section 15 Regulatory Information	
Not available	

Section 16 Other Information	
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