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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

Product	LIQUID STARCH	ITEM No: CASE-B009
Synonyms	Liquid starch	
CHEMTREC	24 Hour Emergency Phone Number (800) 424-9300	

Section 2 Composition/Ingredients Information

Chemical Name	CAS#	%	TLV Units
Starch solution	Mixture	>99%	Not established
Benzyl benzoate	120-51-4	<1%	Not established

Section 3 Hazards Identification

CAUTION! MAY BE HARMFUL WHEN SWALLOWED.

0 = Minimal
1 = Slight
2 = Moderate
3 = Serious
4 = Severe

Health	1
Flammability	0
Physical Hazard	0
Personal Protection	C

HIMIS

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.

Get medical attention immediately.

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 TriGlass, 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.

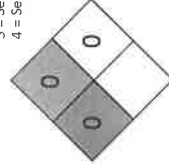
Flash point: N/A

Autoignition temperature: N/A

Explosion limits: Lower: N/A

Upper: N/A

0 = Minimal
1 = Slight
2 = Moderate
3 = Serious
4 = Severe



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

Appearance: Milky.

Odor: Not available

pH: Not available

Vapor Pressure (mm Hg): 2.3kPa at 20 °C (water)

Vapor Density: 0.63 (Air=1) (water)

Evaporation Rate: not available

Viscosity: not available

Boiling point: Not available

Melting point: Not available

Freezing point: 0 °C/32 °F (water)

Decomposition temp: Not available

Solubility: Miscible.

Specific gravity (H₂O = 1): Not available

Percent volatile (%): Not available

Molecular formula: Mixture

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 LD₅₀: 1400mg/kg [Mouse] (Benzyl benzoate).

SKIN LD₅₀: 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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