



## Material Safety Data Sheet

### Starch indicator, 0.2% - 2% Solution

#### Section 1 - Chemical Product and Company Identification

**MSDS Name:**

Starch indicator, 0.2% - 2% Solution

**Catalog Numbers:**

LC25290, LC25300, LC25310

**Synonyms:**

Starch indicator, 0.5%, APHA

**Company Identification:**

LabChem Inc

200 William Pitt Way

Pittsburgh, PA 15238

**Company Phone Number:**

(412) 826-5230

**Emergency Phone Number:**

(800) 424-9300

**CHEMTREC Phone Number:**

(800) 424-9300

#### Section 2 – Composition, Information on Ingredients

CAS#	Chemical Name:	Percent
7732-18-5	Water	balance
9005-25-8	Starch	0.2-2
69-72-7	Salicylic acid	0.1-0.2

#### Section 3 - Hazards Identification

##### Emergency Overview

**Appearance:** *Slightly turbid solution***Caution.** *May cause irritation to eyes and skin.***Target Organs:** *None known.*

##### Potential Health Effects

**Eye:**

Slight risk of irritation to the eyes.

**Skin:**

Slight risk of irritation to the skin. Contains salicylic acid, which may be absorbed through the skin.

**Ingestion:**

No hazard is expected during normal use.

**Inhalation:**

No hazard is expected during normal use.



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**Chronic:**

Salicylic acid has caused low birth weights in children whose mothers took salicylic acid orally for long periods of time during pregnancy.

### Section 4 - First Aid Measures

**Eyes:**

If irritation develops, get medical aid.

**Skin:**

Get medical aid if irritation develops or persists.

**Ingestion:**

Do NOT induce vomiting. Get medical aid.

**Inhalation:**

Move victim to fresh air. Get medical aid if irritation or other symptoms occur.

**Notes to Physician:**

Treat symptomatically and supportively.

### Section 5 - Fire Fighting Measures

**General Information:**

Negligible fire and explosion hazard when exposed to heat or flame.

**Extinguishing Media:**

For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam.

**Autoignition Temperature:**

No information found.

**Flash Point:**

No information found.

**NFPA Rating:**

CAS# 7732-18-5: Health-0; Flammability-0; Instability-0

CAS# 9005-25-8: Health-0; Flammability-1; Instability-0

CAS # 69-72-7: Health-0; Flammability-1; Instability-0

**Explosion Limits:**

Lower: n/a      Upper: n/a

### Section 6 - Accidental Release Measures

**General Information:**

Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:**

Absorb spill using an absorbent, non-combustible material such as earth, sand, diatomaceous earth, vermiculite, or other suitable absorbent.



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### Section 7 - Handling and Storage

**Handling:**

Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing.

**Storage:**

Store capped at room temperature.

### Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:**

Good general ventilation should be sufficient to control airborne levels.

**Exposure Limits:**

Chemical Name:	ACGIH	NIOSH	OSHA
Water	None of the components are on this list	None of the components are on this list	None of the components are on this list
Starch	10 mg/m <sup>3</sup> TWA; respirable dust: 5 mg/m <sup>3</sup> TWA	15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction);	10 mg/m <sup>3</sup> TWA
Salicylic acid	None of the components are on this list	None of the components are on this list	None of the components are on this list

**OSHA Vacated PELs:**

Starch: total dust: 15 mg/m<sup>3</sup> TWA; respirable fraction: 5 mg/m<sup>3</sup> TWA

### Personal Protective Equipment

**Eyes:**

Wear safety glasses and chemical goggles if splashing is possible. Provide an eye-wash fountain in the immediate work area. Do not wear contact lenses when working with chemicals. Do not wear contact lenses when working with chemicals.

**Skin:**

Wear appropriate gloves to prevent skin exposure.

**Clothing:**

Wear appropriate clothing to prevent skin exposure.

**Respirators:**

Not required for normal use.

### Section 9 - Physical and Chemical Properties

<b>Physical State:</b>	Slightly turbid liquid
<b>Color:</b>	Colorless
<b>Odor:</b>	Odorless
<b>pH:</b>	Not available
<b>Vapor Pressure:</b>	Not available
<b>Vapor Density:</b>	Not available
<b>Evaporation Rate:</b>	Not available
<b>Viscosity:</b>	Not available
<b>Boiling Point:</b>	>100°C (>212°F)
<b>Freezing/Melting Point:</b>	<0°C (<32°F)



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**Decomposition Temperature:** Not available  
**Solubility in water:** Soluble  
**Specific Gravity/Density:** 1  
**Molecular Formula:** Not applicable  
**Molecular Weight:** Not applicable

## Section 10 - Stability and Reactivity

### Chemical Stability:

Stable under normal temperatures and pressures.

### Conditions to Avoid:

Excess heat.

### Incompatibilities with Other Materials:

None reported.

### Hazardous Decomposition Products:

No information found.

### Hazardous Polymerization:

Has not been reported.

## Section 11 - Toxicological Information

### RTECS:

CAS# 7732-18-5: ZC0110000.  
CAS# 9005-25-8: GM5090000.  
CAS# 69-72-7: VO0525000.

### LD50/LC50:

CAS# 7732-18-5:  
Oral, rat: LD50 = >90 mL/kg.  
CAS# 9005-25-8:  
No information found.  
CAS# 69-72-7:  
Oral, mouse: LD50 = 480 mg/kg  
Oral, rabbit: LD50 = 1300 mg/kg  
Oral, rat: LD50 = 891 mg/kg.

### Carcinogenicity:

CAS# 7732-18-5: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.  
CAS# 9005-25-8: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.  
CAS# 69-72-7: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

### Epidemiology:

No information found.

### Teratogenicity:

Long-term oral administration of salicylic acid in pregnant women caused low birth weights in their offspring.

### Reproductive:

No information found

### Mutagenicity:

No information found

### Neurotoxicity:

No information found



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**Section 12 - Ecological Information**

No information found

**Section 13 - Disposal Considerations**

Dispose of in accordance with Federal, State, and local regulations.

**Section 14 - Transport Information**

**US DOT**

**Shipping Name:** Not regulated.

**Hazard Class:**

**UN Number:**

**Packing Group:**

**Section 15 - Regulatory Information**

**US Federal**

**TSCA:**

CAS# 7732-18-5 is listed on the TSCA Inventory.

CAS# 9005-25-8 is listed on the TSCA Inventory.

CAS# 69-72-7 is listed on the TSCA Inventory.

**SARA Reportable Quantities (RQ):**

None of the components are on this list.

**CERCLA/SARA Section 313:**

None of the components are on this list.

**OSHA - Highly Hazardous:**

None of the components are on this list.

**US State**

**State Right to Know:**

Starch can be found on the following state Right-to-Know lists: Pennsylvania, Minnesota, Massachusetts.

**California Regulations:**

None.

**European/International Regulations**

**Canadian DSL/NDSL:**

CAS# 7732-18-5 is listed on Canada's DSL List.

CAS# 9005-25-8 is listed on Canada's DSL List.

CAS# 69-72-7 is listed on Canada's DSL List.

**Canada Ingredient Disclosure List:**

CAS# 7732-18-5 is not listed on Canada's Ingredient Disclosure List.



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CAS# 9005-25-8 is not listed on Canada's Ingredient Disclosure List.

CAS# 69-72-7 is listed on Canada's Ingredient Disclosure List.

#### **Section 16 - Other Information**

MSDS Creation Date: January 31, 1998

Revision Date: October 30, 2009

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