

**MSDS****Material Safety Data Sheet**24 hour Emergency Telephone:  
Chemtrec: 1-800-424-9300

Outside U.S. and Canada Chemtrec: 202-483-7616

From: Vinquiry, Inc.  
7795 Bell Road  
Windsor, CA 95492**VINQUIRY****NOTE:** CHEMTREC and National Response Center emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

All Non-emergency questions should be directed to Customer Service (1-707-838-6312) for assistance.

## 1% Starch Indicator

### STARCH INDICATOR 0.5-1%

MSDS Number: SI260 --- *Effective Date: 01/01/04*

## 1. Product Identification

**Synonyms:** Potato starch solution**CAS No.:** Not applicable to mixtures.**Molecular Weight:** Not applicable to mixtures.**Chemical Formula:** Starch solution (ca. 99% water)**Vinquiry Product Codes:** 10-260-0000, 10-261-0118, 10-261-0237, 10-261-0473, 10-261-0946

## 2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Starch Soluble	9005-84-9	0.5 - 1%	No
Thymol	89-83-8	0.03%	No
Water	7732-18-5	99 - 99.4%	No

## 3. Hazards Identification

### Emergency Overview

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

## Vinquiry Safety Data Ratings (Provided here for your convenience)

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Health Rating: 1 – Slight

Flammability Rating: 0 – None

Reactivity Rating: 0 – None

Contact Rating: 1 – Slight

Lab Protective Equip: GLOVES AND GOGGLES

### Potential Health Effects

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#### **Inhalation:**

Not expected to be a health hazard.

#### **Ingestion:**

No adverse effects expected.

#### **Skin Contact:**

No adverse effects expected.

#### **Eye Contact:**

No adverse health effects expected. Possibly some mild irritation.

#### **Chronic Exposure:**

No adverse health effects expected.

#### **Aggravation of Pre-existing Conditions:**

No information found.

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## 4. First Aid Measures

#### **Inhalation:**

Not expected to require first aid measures.

#### **Ingestion:**

If large amounts were swallowed, give water to drink and get medical advice.

#### **Skin Contact:**

Not expected to require first aid measures.

#### **Eye Contact:**

Wash thoroughly with running water. Get medical advice if irritation develops.

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## 5. Fire Fighting Measures

#### **Fire:**

Not considered to be a fire hazard.

#### **Explosion:**

Not considered to be an explosion hazard.

#### **Fire Extinguishing Media:**

Use any means suitable for extinguishing surrounding fire.

#### **Special Information:**

Use protective clothing and breathing equipment appropriate for the surrounding fire.

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## 6. Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Contain and recover liquid when possible. Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust.

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## 7. Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Protect from freezing. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product.

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## 8. Exposure Controls/Personal Protection

### **Airborne Exposure Limits:**

None established.

### **Ventilation System:**

Not expected to require any special ventilation.

### **Personal Respirators (NIOSH Approved):**

Not expected to require personal respirator usage.

### **Skin Protection:**

Wear protective gloves and clean body-covering clothing.

### **Eye Protection:**

Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

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## 9. Physical and Chemical Properties

### **Appearance:**

White, milky liquid.

### **Odor:**

Odorless.

### **Solubility:**

Miscible in water.

### **Density:**

1.0

### **pH:**

No information found.

### **% Volatiles by volume @ 21C (70F):**

No information found.

### **Boiling Point:**

Not applicable.

### **Melting Point:**

Not applicable.

### **Vapor Density (Air=1):**

No information found.

**Vapor Pressure (mm Hg):**

No information found.

**Evaporation Rate (BuAc=1):**

No information found.

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## 10. Stability and Reactivity

**Stability:**

Stable under ordinary conditions of use and storage.

**Hazardous Decomposition Products:**

No information found.

**Hazardous Polymerization:**

Will not occur.

**Incompatibilities:**

No incompatibility data found.

**Conditions to Avoid:**

No information found.

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## 11. Toxicological Information

No LD50/LC50 information found relating to normal routes of occupational exposure.

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## 12. Ecological Information

**Environmental Fate:**

No information found.

**Environmental Toxicity:**

No information found.

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## 13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

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## 14. Transport Information

Not regulated.

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# 15. Regulatory Information

## US FEDERAL

### TSCA

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

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

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

### Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

### Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

### Section 12b

None of the chemicals are listed under TSCA Section 12b.

### TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

### SARA

#### Section 302 (RQ)

None of the chemicals in this material have an RQ.

#### Section 302 (TPQ)

None of the chemicals in this product have a TPQ.

### SARA Codes

CAS # 69-72-7: acute, chronic.

### Section 313

No chemicals are reportable under Section 313.

### Clean Air Act:

This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depleters. This material does not contain any Class 2 Ozone depleters.

### Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

### OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

### STATE

CAS# 69-72-7 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

CAS# 7732-18-5 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

CAS# 9005-25-8 can be found on the following state right to know lists: Pennsylvania, Minnesota, Massachusetts.

California No Significant Risk Level: None of the chemicals in this product are listed.

### European/International Regulations

#### European Labeling in Accordance with EC Directives

#### Hazard Symbols:

Not available.

#### Risk Phrases:

#### Safety Phrases:

#### WGK (Water Danger/Protection)

CAS# 69-72-7: 1

CAS# 7732-18-5: No information available.

CAS# 9005-25-8: 0

### Canada

CAS# 69-72-7 is listed on Canada's DSL List. CAS# 69-72-7 is listed on Canada's DSL List. CAS# 7732-18-5 is listed on Canada's DSL List. CAS# 7732-18-5 is listed on Canada's DSL List. CAS# 9005-25-8 is listed on Canada's DSL List. CAS# 9005-25-8 is listed on Canada's DSL List.

**WHMIS:** Not available.

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

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

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

**Exposure Limits**

CAS# 9005-25-8: OEL-AUSTRALIA:TWA 10 mg/m<sup>3</sup> OEL-BELGIUM:TWA 10 mg/m<sup>3</sup>

OEL-SWITZERLAND:TWA 6 mg/m<sup>3</sup> OEL-UNITED KINGDOM:TWA 10 mg/m<sup>3</sup> (total

dust) JAN9 OEL-UNITED KINGDOM:TWA 5 mg/m<sup>3</sup> (resp. dust) OEL IN BULGAR

IA, COLOMBIA, JORDAN, KOREA check ACGIH TLV OEL IN NEW ZEALAND, SINGA

PORE, VIETNAM check ACGI TLV

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## 16. Other Information

**NFPA Ratings:** Health: **0** Flammability: **0** Reactivity: **0**

**Label Hazard Warning:**

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

**Label Precautions:**

None.

**Label First Aid:**

Not applicable.

**Product Use:**

Laboratory Reagent.

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## Disclaimer

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