

8759 •

SBO 8028  
V# 051425

## **Kit #6A Food Nutrient Analysis**

## 1. IDENTIFICATION

### 1.1 Product Identifiers

Product Name: Starch Testing Solution  
Alternative names: Lugol's Solution 1.9%  
Product Number: 6-2EA, 6A-2EA.

**1.2 Relevant identified uses of the substance or mixture and uses advised against**  
Identified uses: For laboratory and educational use only.

### 1.3 Details of the supplier of the safety data sheet

Company: LAB-AIDS®, Inc, 17 Colt Ct., Ronkonkoma, NY 11779, USA.  
Telephone: +1 800 381 8003.  
Fax: +1 631 820 8268.

**1.4 Emergency telephone number:** Emergency number: CHEMTREC 1 800 424-9300.

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

#### GHS classification

Specific target organ toxicity, oral (Category 1), Thyroid, H372  
Eye Irrit. (Category 2A), H319; Skin Irrit. (Category 2), H315  
Aquatic Acute (Category 2), H401  
Specific Target Organ Toxicity, Respiratory (Category 3), H335



### 2.2 Label elements, including precautionary statements:

Signal word: Danger

Pictogram:

Hazards statements: H 401– Toxic to aquatic life. H372– Causes damage to organs (Thyroid) through prolonged or repeated exposure if swallowed, H335– May cause respiratory irritation. H319– Causes serious eye irritation, H315– Causes skin irritation.

Precautionary statements: P273—Avoid release to the environment; P280 - Wear protective gloves, eye protection

**2.3 Hazards not otherwise classified:** None.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 Substance:** Not applicable

### 3.2 Mixture

| Chemical Name    | Product identifier | %     | GHS-US classification  |
|------------------|--------------------|-------|--|
| Water            | CAS# 7732-18-5     | 92.4% | Not classified   |
| Potassium iodide | CAS# 7681-11-0     | 5.7%  | Acute Tox. 4 (Oral), H302; Skin Irrit. 2, H315, Eye Irrit. 2A H319   |
| Iodine           | CAS# 7553-56-2     | 1.9%  | Acute Tox. 4, H332; Acute Tox. 4, H312; Skin Corr. 1, H314; Eye Dam 1 H318; STOT RE 1, H372; STOT SE 3, H335; Aquatic Acute 1, H400. |

**3.3 Chemicals where a trade secret is claimed:** None

## 4. FIRST AID MEASURE

### 4.1 Description of the first aid measure:

**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 medical attention if necessary.

**SKIN CONTACT:** Flush thoroughly with mild soap and water. Remove contaminated clothing. Get medical attention if irritation develop.

**4.2 Most important symptoms and effects, both acute and delayed:** Refer to section 11.

**4.3 Indication of any immediate medical attention and special treatment needed:** No additional information available.

## 5. FIREFIGHTING MEASURES

### 5.1 Extinguishing media:

Nonflammable liquid  
Suitable extinguishing media: Use TriClass, dry chemical extinguisher for surrounding fires.

**5.2 Special hazard arising from the substance or mixture:** Excessive heat releases vapors of hydrogen iodide.

**5.3 Advice for firefighters:** Use self-contained breathing apparatus and protective clothing.

## 6. ACCIDENTAL RELEASE MEASURES

**6.1 Personal precautions:** Wear laboratory grade gloves, eye protection and a lab coat.

**6.2 Emergency procedures:** Restrict unprotected personnel from the area.

**6.3 Methods and material used for containment and cleanup procedure:** 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.

## 7. HANDLING AND STORAGE

**7.1 Precaution for safe handling:** Read label on container before using. Do not wear contact lenses when working with chemicals. For laboratory use only. Not for drug, food or household use. Use only under adult supervision. Avoid breathing vapor. Use with adequate ventilation. Wash hands thoroughly after handling.

**7.2 Storage:** Keep container in cool, well-ventilated area. Keep away from heat.

**7.3 incompatibility:** Refer to section 10.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters: ACGIH: TWA: 0.01mg/m<sup>3</sup>

8.2 Exposure 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: None should be needed if normal laboratory handling at room temperature.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid.

Appearance: Dark brown.

Odor: Not available

pH: Not available

Vapor Pressure ( mm Hg): Not available

Vapor Density: Not available

Evaporation Rate: Not available

Viscosity: N/A

Flash point: N/A

Autoignition: N/A

Boiling point: Not available

Melting point: Not available

Freezing point: Not available

Decomposition temp: Not available

Solubility: Not available

Specific gravity (H<sub>2</sub>O = 1): ≈1 at 20°C

Percent volatile (%): 100%

Molecular formula: Mixture

Molecular weight: Mixture

## 10. STABILITY AND REACTIVITY

Chemical Stability: Stable

Conditions to Avoid: High temperatures and incompatible materials.

Incompatibilities: Oxidizing agents, reducing agents, organic material, metals, acids, salts and alkaloids.

Hazardous decomposition: Excessive heat releases vapors of hydrogen iodide.

Hazardous polymerization: Will not occur.

## 11. TOXICOLOGICAL INFORMATION

Acute effects: Eyes: Cause serious eye irritation. Eye contact with excessive amount of iodine vapor may also cause blepharitis. Skin: It may cause skin irritation. It may cause temporary brown stains on skin. Inhalation: Excessive inhalation of iodine vapors may cause respiratory tract irritation, that includes nasal cavity and mucus membrane irritation. Ingestion: Ingestion of large doses may cause irritation to mouth with thirst, nausea, vomiting, abdominal pain, hypomotility and diarrhea. It may also affect cardiovascular system. Chronic exposure to elevated concentration of iodine may damage thyroid.

### Toxicological data

Acute toxicity ORAL LD<sub>50</sub>: 14,000mg/kg [Rat] (Iodine).

Acute toxicity DERMAL LD<sub>50</sub>: 1,425mg/kg [Rat] (Iodine).

Acute vapor toxicity IHL-LC<sub>50</sub>: 4,588mg/kg [Rat] (Iodine).

### Carcinogenicity:

California prop 65: Not classified

## 12. ECOLOGICAL INFORMATION

LC50 Oncorhynchus mykiss (rainbow trout) 96 hours: 1.7 mg/l. LC50 (Iodine). EC50 Daphnia magna ( Water flea) 48 hours: 0.2 mg/l. (Iodine)

EC50 Daphnia magna ( Water flea) 48 hours: 2.7 mg/l. (potassium iodide)

## 13. DISPOSAL CONSIDERATION

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

## 14. TRANSPORT INFORMATION

UN number: N/A

Shipping name: N/A

Hazard Class: N/A

Packing group: N/A

Exceptions: Ltd Qty. N/A

## 15. REGULATORY INFORMATION

TSCA-listed, DSC (EEC) R36/38 Irritating to eyes and skin, WHMIS (Canada) not controlled.

## 16. OTHER INFORMATION

### Disclaimer:

The Safety Data Sheet (SDS) is for guidance and is based upon information and tests believed to be reliable. LAB-AIDS® makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation and verification. The data should not be confused with local, state, federal regulations, or insurance mandates, and CONSTITUTE NO WARRANTY. Any use of these data and information must be determined by the science instructor to be in accordance with applicable local, state or federal laws and regulations. The conditions or methods of handling, storage, use and disposal of the product(s) described are beyond LAB-AIDS, Inc. and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT(S).

## 1. IDENTIFICATION

### 1.1 Product Identifiers

Product Name: Protein  
 Alternative names: Protein mixture.  
 Product Number: 6A-10EA,

**1.2 Relevant identified uses of the substance or mixture and uses advised against**  
 Identified uses: For laboratory and educational use only

### 1.3 Details of the supplier of the safety data sheet

Company: LAB-AIDS®, Inc, 17 Colt Ct., Ronkonkoma, NY 11779, USA  
 Telephone: +1 800 381 8003.  
 Fax: +1 631 820 8268

**1.4 Emergency telephone number:** Emergency number: CHEMTREC 1 800 424-9300

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

GHS classification  
 Not hazardous substance or mixture

### 2.2 Label elements, including precautionary statements

Signal word: Not classified  
 Hazards statements: Not classified  
 Precautionary statements: Not classified

Pictogram: Not classified

**2.3 Hazards not otherwise classified:** none

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 Substance:** Not applicable

### 3.2 Mixture

| Chemical Name | Product identifier | %     | GHS-US classification |
|---------------|--------------------|-------|-----------------------|
| Water         | CAS# 7732-18-5     | N/A   | Not classified        |
| Gelatin       | CAS #9000-70-1     | N/A   | Not classified        |
| Methylparaben | CAS# 99-76-3       | <0.1% | Skin Sens. 1B         |

**3.3 Chemicals where a trade secret is claimed:** Concentration of the mixture

## 4. FIRST AID MEASURE

### 4.1 Description of the first aid measure:

**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 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 medical attention if necessary.

**SKIN CONTACT:** Flush thoroughly with mild soap and water. Remove contaminated clothing. Get medical attention if irritation develop.

**4.2 Most important symptoms and effects, both acute and delayed:** Refer to section 11.

**4.3 Indication of any immediate medical attention and special treatment needed:** No additional information available.

## 5. FIREFIGHTING MEASURES

**5.1 Extinguishing media:** Nonflammable liquid

Suitable extinguishing media: Use TriClass, dry chemical extinguisher for surrounding fires.

**5.2 Special hazard arising from the substance or mixture:** Not available.

**5.3 Advice for firefighters:** Use self-contained breathing apparatus and protective clothing.

## 6. ACCIDENTAL RELEASE MEASURES

**6.1 Personal precautions:** Wear laboratory grade gloves, eye protection and a lab coat.

**6.2 Emergency procedures:** Restrict unprotected personnel from the area.

**6.3 Methods and material used for containment and cleanup procedure:** Mop up the area.

## 7. HANDLING AND STORAGE

**7.1 Precaution for safe handling:** Read label on container before using. Do not wear contact lenses when working with chemicals. For laboratory use only. Not for drug, food or household use. Use only under adult supervision. Avoid breathing vapor. Use with adequate ventilation. Wash hands thoroughly after handling.

**7.2 Storage:** Keep container in cool, well-ventilated area.

**7.3 incompatibility:** Refer to section 10.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1 Control parameters: ACGIH:** Not classified

**8.2 Exposure 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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Solid.

**Appearance:** Transparent gel.

**Odor:** Not available

**pH:** Not available

**Vapor Pressure ( mm Hg):** Not available

**Vapor Density:** Not available

**Evaporation Rate:** Not available

**Viscosity:** Viscous

**Flash point:** N/A

**Autoignition:** N/A

**Boiling point:** Not available

**Melting point:** Not available

**Freezing point:** Not available

**Decomposition temp:** Not available

**Solubility:** Not available

**Specific gravity (H<sub>2</sub>O = 1):** Not available

**Percent volatile (%):** 100%

**Molecular formula:** Mixture

**Molecular weight:** Mixture

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable

**Conditions to Avoid:** Not available.

**Incompatibilities:** Not available

**Hazardous decomposition:** Not available.

**Hazardous polymerization:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**Acute effects:** Eyes: Not expected to cause acute effects. Skin: Not expected to cause acute effects. Inhalation: Not expected to cause acute effects. Ingestion: No data available.

### Toxicological data

Acute toxicity ORAL LD<sub>50</sub>: 2100mg/kg [Rat] (methylparaben).

Acute toxicity DERMAL LD<sub>50</sub>: 8000mg/kg [Mouse] (methylparaben).

Acute toxicity IHL-LC<sub>50</sub>: Not available

### Carcinogenicity:

California prop 65: Not classified

## 12. ECOLOGICAL INFORMATION

Not available.

## 13. DISPOSAL CONSIDERATION

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

## 14. TRANSPORT INFORMATION

**UN number:** N/A

**Shipping name:** N/A

**Hazard Class:** N/A

**Packing group:** N/A

**Exceptions:** Ltd Qty. N/A

## 15. REGULATORY INFORMATION

TSCA-listed.

## 16. OTHER INFORMATION

### Disclaimer:

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## 1. IDENTIFICATION

### 1.1 Product Identifiers

Product Name: Vitamin C Standard Solution  
Alternative names: Ascorbic acid water solution.  
Product Number: 6-7EA, 6A-11EA

**1.2 Relevant identified uses of the substance or mixture and uses advised against**  
Identified uses: For laboratory and educational use only

### 1.3 Details of the supplier of the safety data sheet

Company: LAB-AIDS®, Inc, 17 Colt Ct., Ronkonkoma, NY 11779, USA  
Telephone: +1 800 381 8003.  
Fax: +1 631 820 8268

**1.4 Emergency telephone number:** Emergency number: CHEMTREC 1 800 424-9300

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

GHS classification  
Not classified

### 2.2 Label elements, including precautionary statements

Signal word: Not classified  
Hazards statements: Not classified  
Precautionary statements: Not classified

Pictogram: Not classified

**2.3 Hazards not otherwise classified:** none

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 Substance:** Not applicable

### 3.2 Mixture

| Chemical Name | Product identifier | %     | GHS-US classification |
|---------------|--------------------|-------|-----------------------|
| Water         | CAS# 7732-18-5     | 99.9% | Not classified        |
| Ascorbic acid | CAS#50-81-7        | 0.1%  | Not classified        |

**3.3 Chemicals where a trade secret is claimed:** None

## 4. FIRST AID MEASURE

### 4.1 Description of the first aid measure:

**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 medical attention if necessary.

**SKIN CONTACT:** Flush thoroughly with mild soap and water. Remove contaminated clothing. Get medical attention if irritation develop.

**4.2 Most important symptoms and effects, both acute and delayed:** Refer to section 11.

**4.3 Indication of any immediate medical attention and special treatment needed:** No additional information available.

## 5. FIREFIGHTING MEASURES

**5.1 Extinguishing media:** Nonflammable liquid

Suitable extinguishing media: Use TriClass, dry chemical extinguisher for surrounding fires.

**5.2 Special hazard arising from the substance or mixture:** Not available.

**5.3 Advice for firefighters:** Use self-contained breathing apparatus and protective clothing.

## 6. ACCIDENTAL RELEASE MEASURES

**6.1 Personal precautions:** Wear laboratory grade gloves, eye protection and a lab coat.

**6.2 Emergency procedures:** Restrict unprotected personnel from the area.

**6.3 Methods and material used for containment and cleanup procedure:** Mop up the area.

## 7. HANDLING AND STORAGE

**7.1 Precaution for safe handling:** Read label on container before using. Do not wear contact lenses when working with chemicals. For laboratory use only. Not for drug, food or household use. Use only under adult supervision. Wash hands thoroughly after handling.

**7.2 Storage:** Keep container in cool, well-ventilated area.

**7.3 Incompatibility:** Refer to section 10.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1 Control parameters:** ACGIH: Not classified

**8.2 Exposure 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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Liquid.

**Appearance:** Clear.

**Odor:** Not available

**pH:** Not available

**Vapor Pressure ( mm Hg):** Not available

**Vapor Density:** Not available

**Evaporation Rate:** Not available

**Viscosity:** N/A

**Flash point:** N/A

**Autoignition:** N/A

**Boiling point:** ≈100°C

**Melting point:** Not available

**Freezing point:** Not available

**Decomposition temp:** Not available

**Solubility:** Not available

**Specific gravity (H<sub>2</sub>O = 1):** ≈1 at 20°C

**Percent volatile (%):** 100%

**Molecular formula:** Mixture

**Molecular weight:** Mixture

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable

**Conditions to Avoid:** Not available.

**Incompatibilities:** Not available

**Hazardous decomposition:** Not available.

**Hazardous polymerization:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**Acute effects:** Eyes: May cause eye irritation . Skin: Not expected to cause any acute effects. Inhalation: Not expected to cause irritation to the respiratory tract and mucous membrane. Ingestion: Not expected to cause any acute effects.

**Toxicological data**

Acute oral toxicity ORAL LD<sub>50</sub>: Not available

Acute vapor toxicity IHL-LC<sub>50</sub>: Not available

DERMAL LD<sub>50</sub>: Not available

**Carcinogenicity:**

California prop 65: Not classified

## 12. ECOLOGICAL INFORMATION

Not available.

## 13. DISPOSAL CONSIDERATION

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

## 14. TRANSPORT INFORMATION

**UN number:** N/A

**Shipping name:** N/A

**Hazard Class:** N/A

**Packing group:** N/A

**Exceptions:** Ltd Qty. N/A

## 15. REGULATORY INFORMATION

TSCA-listed.

## 16. OTHER INFORMATION

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## 1. IDENTIFICATION

### 1.1 Product Identifiers

Product Name: Sugar Testing Solution  
Alternative names: Benedict's Qualitative Solution.  
Product Number: 6-1EA, 6A-1EA

**1.2 Relevant identified uses of the substance or mixture and uses advised against**  
Identified uses: For laboratory and educational use only

### 1.3 Details of the supplier of the safety data sheet

Company: LAB-AIDS®, Inc, 17 Colt Ct., Ronkonkoma, NY 11779, USA  
Telephone: +1 800 381 8003.  
Fax: +1 631 820 8268

**1.4 Emergency telephone number:** Emergency number: CHEMTREC 1 800 424-9300

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

**GHS classification**  
Skin Irrit. (Category 2), H315  
Eye Irrit. (Category 2A), H319  
Aquatic Acute (Category 3), H402  
Aquatic Chronic (Category 3), H412



### 2.2 Label elements, including precautionary statements:

Signal word: Warning Pictogram:  
Hazards statements: H 412— Harmful to aquatic life with long lasting effects, H315— Causes skin irritation, H319— Causes serious eye irritation  
Precautionary statements: P273— Avoid release to the environment; P280 - Wear protective gloves, eye protection

**2.3 Hazards not otherwise classified:** none

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 Substance:** Not applicable

### 3.2 Mixture

| Chemical Name     | Product identifier | %     | GHS-US classification   |
|-------------------|--------------------|-------|---|
| Water             | CAS# 7732-18-5     | 68.3% | Not classified  |
| Sodium Citrate    | CAS# 6132-04-3     | 20.0% | Not classified  |
| Sodium Carbonate  | CAS# 497-19-8      | 10.0% | Skin Irrit. 2, H315; Eye Irrit. 2A H319.                                  |
| Copper II Sulfate | CAS#7758-99-8      | 1.7%  | Acute Tox. 3 (Oral), H301; Aquatic Acute 1, H400, Aquatic Chronic 1, H410 |

**3.3 Chemicals where a trade secret is claimed:** None

## 4. FIRST AID MEASURE

### 4.1 Description of the first aid measure:

**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 medical attention if necessary.

**SKIN CONTACT:** Flush thoroughly with mild soap and water. Remove contaminated clothing. Get medical attention if irritation develop.

**4.2 Most important symptoms and effects, both acute and delayed:** Refer to section 11.

**4.3 Indication of any immediate medical attention and special treatment needed:** No additional information available.

## 5. FIREFIGHTING MEASURES

**5.1 Extinguishing media:** Nonflammable liquid

Suitable extinguishing media: Use TriClass, dry chemical extinguisher for surrounding fires.

**5.2 Special hazard arising from the substance or mixture:** Not available.

**5.3 Advice for firefighters:** Use self-contained breathing apparatus and protective clothing.

## 6. ACCIDENTAL RELEASE MEASURES

**6.1 Personal precautions:** Wear laboratory grade gloves, eye protection and a lab coat.

**6.2 Emergency procedures:** Restrict unprotected personnel from the area.

**6.3 Methods and material used for containment and cleanup procedure:** 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.

## 7. HANDLING AND STORAGE

**7.1 Precaution for safe handling:** Read label on container before using. Do not wear contact lenses when working with chemicals. For laboratory use only. Not for drug, food or household use. Use only under adult supervision. Avoid breathing vapor. Use with adequate ventilation. Wash hands thoroughly after handling.

**7.2 Storage:** Keep container in cool, well-ventilated area.

**7.3 incompatibility:** Refer to section 10.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1 Control parameters:** ACGIH: 1 mg/m<sup>3</sup> TWA (dust and mist, as Cu) 0.2 mg/m<sup>3</sup> TWA (fume)

**8.2 Exposure 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:** None should be needed if normal laboratory handling at room temperature.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Liquid.

**Appearance:** Blue.

**Odor:** Not available

**pH:** Not available

**Vapor Pressure ( mm Hg):** Not available

**Vapor Density:** Not available

**Evaporation Rate:** Not available

**Viscosity:** N/A

**Flash point:** N/A

**Autoignition:** N/A

**Boiling point:** Not available

**Melting point:** Not available

**Freezing point:** Not available

**Decomposition temp:** Not available

**Solubility:** Not available

**Specific gravity (H<sub>2</sub>O = 1):** ≈1 at 20°C

**Percent volatile (%):** 100%

**Molecular formula:** Mixture

**Molecular weight:** Mixture

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable

**Conditions to Avoid:** High temperatures.

**Incompatibilities:** Acids, Sodium Carbonate is decomposed by acids with effervescence.

**Hazardous decomposition:** Not available.

**Hazardous polymerization:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**Acute effects:** Eyes: Cause serious eye irritation. Skin: Causes skin irritation. Inhalation: Not expected to cause acute reaction. Ingestion of large amounts may cause gastrointestinal irritation with symptoms such as nausea, vomiting and diarrhea. Individuals with Wilson's disease may be affected by ingestion of elemental copper. Hereditary metabolic disorder involving deficiency in the copper binding and transport ceruloplasmin. Sodium carbonate is slightly toxic by ingestion, but large doses may cause irritation of gastrointestinal track resulting in nausea, vomiting, diarrhea, thirst and abdominal pain.

**Toxicological data**

Acute toxicity ORAL LD<sub>50</sub>: 300mg/kg [Rat] (Copper sulfate)

Acute toxicity DERMAL LD<sub>50</sub>: >2000mg/kg [Rat] (Copper sulfate)

Acute vapor toxicity IHL-LC<sub>50</sub>: Not available

Lowest Published Lethal Dose

Oral-LDL [Human] 1088mg/kg (Copper sulfate)

Acute toxicity ORAL LD<sub>50</sub>: 4090mg/kg [Rat]. 6600mg/kg [Mouse] (Sodium carbonate)

**Carcinogenicity:**

California prop 65: Not classified

## 12. ECOLOGICAL INFORMATION

Toxic to aquatic life in very low concentrations

## 13. DISPOSAL CONSIDERATION

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

## 14. TRANSPORT INFORMATION

**UN number:** N/A

**Shipping name:** N/A

**Hazard Class:** N/A

**Packing group:** N/A

**Exceptions:** Ltd Qty. N/A

## 15. REGULATORY INFORMATION

TSCA-listed, EINECS-listed (231-847-6) as Copper II Sulfate. (231-791-2) water, (207-838-8) sodium carbonate. EC class: Xi; R36- irritant.

## 16. OTHER INFORMATION

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## 1. IDENTIFICATION

### 1.1 Product Identifiers

Product Name: Protein Test A Solution  
Alternative names: Sodium Hydroxide, 10%  
Product Number: 6-4EA, 6A-3EA

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: For laboratory and educational use only

### 1.3 Details of the supplier of the safety data sheet

Company: LAB-AIDS®, Inc, 17 Colt Ct., Ronkonkoma, NY 11779, USA  
Telephone: +1 800 381 8003  
Fax: +1 631 820 8268

1.4 Emergency telephone number: Emergency number: CHEMTREC 1 800 424-9300

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

GHS classification  
Skin Corr. (Category 1B), H314  
Eye Corr. (Category 1), H318

### 2.2 Label elements, including precautionary statements

Signal word: Danger  
Hazards statements: H314 - Causes severe skin burns and eye damage.  
Precautionary statements: P264 - Wash exposed skin thoroughly after handling, P280 - Wear protective gloves, eye protection



Pictogram:

2.3 Hazards not otherwise classified: none

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance: Not applicable

### 3.2 Mixture

| Chemical Name    | Product identifier | %   | GHS-US classification                 |
|------------------|--------------------|-----|---------------------------------------|
| Water            | CAS# 7732-18-5     | 90% | Not classified                        |
| Sodium hydroxide | CAS# 1310-73-2     | 10% | Skin Corr. 1A H314 ; Eye Dam. 1, H318 |

3.3 Chemicals where a trade secret is claimed: None

## 4. FIRST AID MEASURE

### 4.1 Description of the first aid measure:

**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. Get immediate medical attention.

**SKIN CONTACT:** Flush thoroughly with mild soap and water. Remove contaminated clothing. Get medical attention if burns or irritation develop.

4.2 Most important symptoms and effects, both acute and delayed: Refer to section 11.

4.3 Indication of any immediate medical attention and special treatment needed: No additional information available.

## 5. FIREFIGHTING MEASURES

5.1 Extinguishing media: Nonflammable liquid

Suitable extinguishing media: Use TriClass, dry chemical extinguisher for surrounding fires.

5.2 Special hazard arising from the substance or mixture: Contact with metals can generate hydrogen gas.

5.3 Advice for firefighters: Use self-contained breathing apparatus and protective clothing.

## 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions: Wear laboratory grade gloves, eye protection and a lab coat.

6.2 Emergency procedures: Restrict unprotected personnel from the area.

6.3 Methods and material used for containment and cleanup procedure: Neutralize with 1M Hydrochloric acid. Mop up the area.

## 7. HANDLING AND STORAGE

7.1 Precaution for safe handling: Read label on container before using. Do not wear contact lenses when working with chemicals. For laboratory use only. Not for drug, food or household use. Use only under adult supervision. Avoid breathing vapor. Use with adequate ventilation. Wash hands thoroughly after handling.

7.2 Storage: Keep container in cool, well-ventilated area.

7.3 Incompatibility: Refer to section 10.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1 Control parameters:** ACGIH: TWA: 2mg/m<sup>3</sup>

**8.2 Exposure 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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Liquid.

**Appearance:** Transparent, Colorless, Clear .

**Odor:** Not available

**pH:** >14

**Vapor Pressure ( mm Hg):** Not available

**Vapor Density:** Not available

**Evaporation Rate:** Not available

**Viscosity:** N/A

**Flash point:** N/A

**Autoignition:** N/A

**Boiling point:** Not available

**Melting point:** Not available

**Freezing point:** Not available

**Decomposition temp:** Not available

**Solubility:** Not available

**Specific gravity (H<sub>2</sub>O = 1):** Not available

**Percent volatile (%):** 100%

**Molecular formula:** Mixture

**Molecular weight:** Mixture

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable

**Conditions to Avoid:** High temperatures and Incompatible materials.

**Incompatibilities:** Metals, organic materials.

**Hazardous decomposition:** Sodium hydroxide reacts with metals to form flammable and explosive hydrogen gas. Thermal decomposition generates corrosive vapor .

**Hazardous polymerization:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**Acute effects:** Eyes: Causes eye burns with possible eye damage. Skin: Causes skin irritation with possible burns. Inhalation: Causes irritation of the respiratory tract and mucous membrane. Ingestion: May cause severe and permanent damage to the digestive tract. Causes irritation of the respiratory tract and mucous membranes.

**Toxicological data**

Acute oral toxicity ORAL LD<sub>50</sub>: Not available

Acute vapor toxicity IHL-LC<sub>50</sub>: Not available

DERMAL LD<sub>50</sub>: not available

**Carcinogenicity:**

California prop 65: Not classified

## 12. ECOLOGICAL INFORMATION

Not available.

## 13. DISPOSAL CONSIDERATION

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

## 14. TRANSPORT INFORMATION

**UN number:** 1824

**Shipping name:** Sodium hydroxide solution

**Hazard Class:** 8

**Packing group:** PG II

**Exceptions:** Ltd Qty. ≤1L

## 15. REGULATORY INFORMATION

TSCA 8(b) Inventory: Water; Sodium hydroxide. DSEL (EEC) R25-Toxic if swallowed, R35-Causes severe burns. WHMIS (Canada); CLASS E: Corrosive liquid, CLASS D-2B: Material causing other toxic effects (TOXIC)

## 16. OTHER INFORMATION

**Disclaimer:**

The Safety Data Sheet (SDS) is for guidance and is based upon information and tests believed to be reliable. LAB-AIDS® makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration , investigation and verification. The data should not be confused with local, state, federal regulations, or insurance mandates, and CONSTITUTE NO WARRANTY. Any use of these data and information must be determined by the science instructor to be in accordance with applicable local, state or federal laws and regulations. The conditions or methods of handling , storage, use and disposal of the product(s) described are beyond LAB-AIDS, Inc. and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT(S).

Version: SDS\_114.01.00

Revision Date: March 20, 2015

**1. IDENTIFICATION****1.1 Product Identifiers**

Product Name: Protein Test B Solution  
Alternative names: Cupric Sulfate, 0.02M.  
Product Number: 6-5EA, 6A-4EA

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Identified uses: For laboratory and educational use only

**1.3 Details of the supplier of the safety data sheet**

Company: LAB-AIDS®, Inc, 17 Colt Ct., Ronkonkoma, NY 11779, USA  
Telephone: +1 800 381 8003.  
Fax: +1 631 820 8268

**1.4 Emergency telephone number:** Emergency number: CHEMTREC 1 800 424-9300

**2. HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture**

GHS classification  
Aquatic Acute (Category 3)  
Aquatic Chronic (Category 3)

**2.2 Label elements, including precautionary statements**

Hazards statements: H 412— Harmful to aquatic life with long lasting effects  
Precautionary statements: P273—Avoid release to the environment; P280 - Wear protective gloves, eye protection

**2.3 Hazards not otherwise classified:** none**3. COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substance:** Not applicable**3.2 Mixture**

| Chemical Name                   | Product identifier | %     | GHS-US classification   |
|---------------------------------|--------------------|-------|---|
| Water                           | CAS# 7732-18-5     | 99.5% | Not classified  |
| Copper II Sulfate, Pentahydrate | CAS#7758-99-8      | 0.5%  | Acute Tox. 3 (Oral), H301; Aquatic Acute 1, H400, Aquatic Chronic 1, H410 |

**3.3 Chemicals where a trade secret is claimed:** None**4. FIRST AID MEASURE****4.1 Description of the first aid measure:**

**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 medical attention if necessary.

**SKIN CONTACT:** Flush thoroughly with mild soap and water. Remove contaminated clothing. Get medical attention if irritation develop.

**4.2 Most important symptoms and effects, both acute and delayed:** Refer to section 11.

**4.3 Indication of any immediate medical attention and special treatment needed:** No additional information available.

**5. FIREFIGHTING MEASURES****5.1 Extinguishing media:** Nonflammable liquid

Suitable extinguishing media: Use TriClass, dry chemical extinguisher for surrounding fires.

**5.2 Special hazard arising from the substance or mixture:** Not available.

**5.3 Advice for firefighters:** Use self-contained breathing apparatus and protective clothing.

**6. ACCIDENTAL RELEASE MEASURES**

**6.1 Personal precautions:** Wear laboratory grade gloves, eye protection and a lab coat.

**6.2 Emergency procedures:** Restrict unprotected personnel from the area.

**6.3 Methods and material used for containment and cleanup procedure:** 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.

**7. HANDLING AND STORAGE**

**7.1 Precaution for safe handling:** Read label on container before using. Do not wear contact lenses when working with chemicals. For laboratory use only. Not for drug, food or household use. Use only under adult supervision. Avoid breathing vapor. Use with adequate ventilation. Wash hands thoroughly after handling.

**7.2 Storage:** Keep container in cool, well-ventilated area.

**7.3 Incompatibility:** Refer to section 10.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1 Control parameters:** ACGIH: 1 mg/m<sup>3</sup> TWA (dust and mist, as Cu) 0.2 mg/m<sup>3</sup> TWA (fume)

**8.2 Exposure 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:** None should be needed if normal laboratory handling at room temperature.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Liquid.

**Appearance:** Light blue.

**Odor:** Not available

**pH:** Not available

**Vapor Pressure ( mm Hg):** Not available

**Vapor Density:** Not available

**Evaporation Rate:** Not available

**Viscosity:** N/A

**Flash point:** N/A

**Autoignition:** N/A

**Boiling point:** ≈100°C

**Melting point:** Not available

**Freezing point:** Not available

**Decomposition temp:** Not available

**Solubility:** Not available

**Specific gravity (H<sub>2</sub>O = 1):** ≈1 at 20°C

**Percent volatile (%):** 100%

**Molecular formula:** Mixture

**Molecular weight:** Mixture

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable

**Conditions to Avoid:** Not available.

**Incompatibilities:** Not available

**Hazardous decomposition:** Not available.

**Hazardous polymerization:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**Acute effects:** Eyes: Prolonged contact may cause eye irritation. Skin: This concentration not expected to cause skin irritation, However all safety measures need to be in place. Inhalation: Not expected to cause acute reaction. Ingestion: Ingestion of large amounts may cause gastrointestinal irritation with symptoms such as nausea, vomiting and diarrhea. Individuals with Wilson's disease may be affected by ingestion of elemental copper. Hereditary metabolic disorder involving deficiency in the copper binding and transport ceruloplasmin.

**Toxicological data**

Acute toxicity ORAL LD<sub>50</sub>: 300mg/kg [Rat].

Acute toxicity DERMAL LD<sub>50</sub>: >2000mg/kg [Rat].

Acute vapor toxicity IHL-LC<sub>50</sub>: Not available

Lowest Published Lethal Dose

Oral-LDL [Human] 1088mg/kg

**Carcinogenicity:**

California prop 65: Not classified

## 12. ECOLOGICAL INFORMATION

Toxic to aquatic life in very low concentrations

## 13. DISPOSAL CONSIDERATION

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

## 14. TRANSPORT INFORMATION

**UN number:** N/A

**Shipping name:** N/A

**Hazard Class:** N/A

**Packing group:** N/A

**Exceptions:** Ltd Qty. N/A

## 15. REGULATORY INFORMATION

TSCA-listed, EINECS-listed (231-847-6) as Copper II Sulfate.

## 16. OTHER INFORMATION

**Disclaimer:**

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## 1. IDENTIFICATION

### 1.1 Product Identifiers

Product Name: Fat Testing Solution  
Alternative names: Sudan IV solution.  
Product Number: 6-3EA, 6A-5EA

**1.2 Relevant identified uses of the substance or mixture and uses advised against**  
Identified uses: For laboratory and educational use only

### 1.3 Details of the supplier of the safety data sheet

Company: LAB-AIDS®, Inc, 17 Colt Ct., Ronkonkoma, NY 11779, USA  
Telephone: +1 800 381 8003.  
Fax: +1 631 820 8268

### 1.4 Emergency telephone number

Emergency number: CHEMTREC 1 800 424-9300

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

#### GHS classification

Flam. Liq. (Category 2), H225

Specific target organ toxicity— single exposure (Category 3, Oral), Central Nervous System H336

Specific target organ toxicity— single exposure (Category 3, Inhalation ), Central Nervous System H336

### 2.2 Label elements, including precautionary statements

Signal word: Danger

Hazards statements: H225 - Highly flammable liquid and vapor, H336— May cause drowsiness or dizziness.

Precautionary statements: P210 - Keep away from heat, hot surfaces, open flames, sparks, P280 - Wear protective gloves, eye protection

**2.3 Hazards not otherwise classified:** none



Pictogram:

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 Substance:** Not applicable

### 3.2 Mixture

| Chemical Name            | Product identifier | %   | GHS-US classification                                   |
|--------------------------|--------------------|-----|---|
| Acetone                  | CAS# 67-64-1       | N/A | Flam Liq. 2, H225, Eye Irrit. 2A, H319, STOT SE 3, H336 |
| Ethyl alcohol, denatured | CAS# 64-17-5       | N/A | Flam. Liq. 2, H225; STOT SE 3; H336                     |
| Water                    | CAS# 7732-18-5     | N/A | Not classified  |
| Sudan IV                 | CAS# 85-83-6       | N/A | Skin Irrit. 2, H315; Eye Irrit. 2A, H319                |

**3.3 Chemicals where a trade secret is claimed:** Concentration of listed chemicals

## 4. FIRST AID MEASURE

### 4.1 Description of the first aid measure:

**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 medical attention if necessary.

**SKIN CONTACT:** Flush thoroughly with mild soap and water. Remove contaminated clothing. Get medical attention if irritation develop.

**4.2 Most important symptoms and effects, both acute and delayed:** Refer to section 11.

**4.3 Indication of any immediate medical attention and special treatment needed:** No additional information available.

## 5. FIREFIGHTING MEASURES

**5.1 Extinguishing media:** Flammable liquid.

Suitable extinguishing media: Use TriClass, dry chemical extinguisher.

**5.2 Special hazard arising from the substance or mixture:** Vapor spreads at floor level.

**5.3 Advice for firefighters:** Use self-contained breathing apparatus and protective clothing.

## 6. ACCIDENTAL RELEASE MEASURES

**6.1 Personal precautions:** Wear laboratory grade gloves, eye protection and a lab coat.

**6.2 Emergency procedures:** Restrict unprotected personnel from the area.

**6.3 Methods and material used for containment and cleanup procedure:** Contain the spill with an inert absorbent material and deposit in a sealed container. For small spill use paper towel. Dry material place in trash. Ventilate and wash spill area with soap and water.

## 7. HANDLING AND STORAGE

**7.1 Precaution for safe handling:** Read label on container before using. Keep away from heat, sparks and flame. Vapor forms from this product and may travel, or be moved by air currents and ignited by pilot lights, static discharges, flames, sparks, heaters or other ignition sources. Do not wear contact lenses when working with chemicals. For laboratory use only. Not for drug, food or household use. Use only under adult supervision. Avoid breathing vapor. Use hood or with adequate ventilation. Wash hands thoroughly after handling.

**7.2 Storage:** Flammable cabinet. Keep container in cool, well-ventilated area.

**7.3 incompatibility:** Refer to section 10.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1 Control parameters:** ACGIH: TWA: 500ppm (acetone); USA OSHA: TWA: 1000ppm (methanol); ACGIH: TWA: 1000ppm (ethanol).

**8.2 Exposure 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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Liquid.

**Appearance:** Red.

**Odor:** Strong alcohol odor

**pH:** Not available

**Vapor Pressure ( mm Hg):** Not available

**Vapor Density:** Not available

**Evaporation Rate:** Not available

**Viscosity:** N/A

**Flash point:** Not available

**Autoignition:** Not available

**Boiling point:** Not available

**Melting point:** Not available

**Freezing point:** Not available

**Decomposition temp:** Not available

**Solubility:** Miscible in water and many organic solvents

**Specific gravity (H<sub>2</sub>O = 1):** Not available

**Percent volatile (%):** Not available

**Molecular formula:** Mixture

**Molecular weight:** Mixture

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable

**Conditions to Avoid:** Fire, high temperatures and incompatible materials.

**Incompatibilities:** Reactive with oxidizing agents, reducing agents, acids, alkalis.

**Hazardous decomposition:** Carbon oxides.

**Hazardous polymerization:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**Acute effects:**

**Eye:** Causes eye irritation, characterized by burning sensation, redness and tearing. **Skin:** May cause mild skin irritation. May be absorbed through skin.

**Inhalation:** Inhalation of high concentration may affect CNS characterized by headache, dizziness, confusion, and loss of coordination. **Inhalation:** May cause respiratory tract irritation. **Ingestion:** May be harmful if swallowed. Ingested doses will produce nausea, dizziness and headache. May affect behavior, brain, CNS.

**Toxicological data:**

ORAL LD<sub>50</sub>: 5800mg/kg [Rat] (Acetone); 3000mg/kg [Mouse] (Acetone); 5340mg/kg [Rabbit] (Acetone)

VAPOR LC<sub>50</sub>: 50100mg/L 8h [Rat] (Acetone); 44000 mg/m<sup>3</sup> 4h [Mouse] (Acetone)

ORAL LD<sub>50</sub>: 7060mg/kg [Rat] (Ethanol); 3450mg/kg [Mouse] (Ethanol)

VAPOR LC<sub>50</sub>: 20000ppm 8h [Rat] (Ethanol); 39000 mg/m<sup>3</sup> 4h [Mouse] (Ethanol)

**Carcinogenicity:**

California prop 65: Not classified

## 12. ECOLOGICAL INFORMATION

Ecotoxicity in water (LC<sub>50</sub>): 5540mg/L 96h [Trout], 8300 mg/L 96h [Bluegill], 7500mg/L 96h [Fathead Minnow] (Acetone).

## 13. DISPOSAL CONSIDERATION

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

## 14. TRANSPORT INFORMATION

**UN number:** 1993

**Shipping name:** Flammable liquids, n.o.s.

**Hazard Class:** 3

**Packing group:** PG II

**Exceptions:** Ltd. Qty. ≤1L

## 15. REGULATORY INFORMATION

TSCA-listed, EINECS-listed (200-662-2) (Acetone); WHMIS (Canada): CLASS B-2: Flammable (Acetone). DSCG (EEC): R11-Highly flammable, R36-Irritating to eyes, S16-Keep away from sources of ignition, S9-Keep container in well-ventilated place.

## 16. OTHER INFORMATION

**Disclaimer:**

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## 1. IDENTIFICATION

### 1.1 Product Identifiers

Product Name: Vitamin C Testing Powder  
Alternative names: 2,6 Dichloroindophenol, Sodium Salt.  
Product Number: 6A-6EA,

**1.2 Relevant identified uses of the substance or mixture and uses advised against**  
Identified uses: For laboratory and educational use only

### 1.3 Details of the supplier of the safety data sheet

Company: LAB-AIDS®, Inc, 17 Colt Ct., Ronkonkoma, NY 11779, USA  
Telephone: +1 800 381 8003.  
Fax: +1 631 820 8268

**1.4 Emergency telephone number:** Emergency number: CHEMTREC 1 800 424-9300

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

**GHS classification**  
Not hazardous substance or mixture

### 2.2 Label elements, including precautionary statements

Signal word: Not classified  
Hazards statements: Not classified  
Precautionary statements: Not classified

Pictogram: Not classified

**2.3 Hazards not otherwise classified:** none

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 Substance:** Powder

**3.2 Mixture:** N/A

| Chemical Name                      | Product identifier | %    | GHS-US classification |
|------------------------------------|--------------------|------|-----------------------|
| 2,6 Dichloroindophenol sodium salt | CAS#620-45-1       | 100% | Not classified        |

**3.3 Chemicals where a trade secret is claimed:** None

## 4. FIRST AID MEASURE

### 4.1 Description of the first aid measure:

**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 medical attention if necessary.

**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 medical attention if necessary.

**SKIN CONTACT:** Flush thoroughly with mild soap and water. Remove contaminated clothing. Get medical attention if irritation develop.

**4.2 Most important symptoms and effects, both acute and delayed:** Refer to section 11.

**4.3 Indication of any immediate medical attention and special treatment needed:** No additional information available.

## 5. FIREFIGHTING MEASURES

### 5.1 Extinguishing media:

Suitable extinguishing media: Use TriClass, dry chemical extinguisher for surrounding fires.

**5.2 Special hazard arising from the substance or mixture:** Not available.

**5.3 Advice for firefighters:** Use self-contained breathing apparatus and protective clothing.

## 6. ACCIDENTAL RELEASE MEASURES

**6.1 Personal precautions:** Wear laboratory grade gloves, eye protection and a lab coat.

**6.2 Emergency procedures:** Restrict unprotected personnel from the area.

**6.3 Methods and material used for containment and cleanup procedure:** Sweep up or vacuum and place for disposal. Avoid formation of dust. Wash spill area with soap and water.

## 7. HANDLING AND STORAGE

**7.1 Precaution for safe handling:** Read label on container before using. Do not wear contact lenses when working with chemicals. For laboratory use only. Not for drug, food or household use. Use only under adult supervision. Avoid breathing dust. Use with adequate ventilation. Wash hands thoroughly after handling.

**7.2 Storage:** Keep container in cool, well-ventilated area.

**7.3 Incompatibility:** Refer to section 10.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1 Control parameters:** ACGIH: Not classified

**8.2 Exposure 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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Powder.

**Appearance:** Blue.

**Odor:** Not available

**pH:** Not available

**Vapor Pressure ( mm Hg):** Not available

**Vapor Density:** Not available

**Evaporation Rate:** Not available

**Viscosity:** N/A

**Flash point:** N/A

**Autoignition:** N/A

**Boiling point:** Not available

**Melting point:** Not available

**Freezing point:** Not available

**Decomposition temp:** Not available

**Solubility:** Not available

**Specific gravity (H<sub>2</sub>O = 1):** Not available

**Percent volatile (%):** N/A

**Molecular formula:** C<sub>12</sub>H<sub>6</sub>Cl<sub>2</sub>NNaO<sub>2</sub>·xH<sub>2</sub>O

**Molecular weight:** 290.08 g/mol

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable

**Conditions to Avoid:** Moisture.

**Incompatibilities:** Strong oxidizing agents

**Hazardous decomposition:** Carbon oxides, nitrogen oxides, sodium oxides.

**Hazardous polymerization:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**Acute effects:** Eyes: No data available. Skin: No data available. Inhalation: No data available. Ingestion: No data available.

### Toxicological data

Acute oral toxicity ORAL LD<sub>50</sub>: Not available

Acute vapor toxicity IHL-LC<sub>50</sub>: Not available

DERMAL LD<sub>50</sub>: Not available

### Carcinogenicity:

California prop 65: Not classified

## 12. ECOLOGICAL INFORMATION

Not available.

## 13. DISPOSAL CONSIDERATION

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

## 14. TRANSPORT INFORMATION

**UN number:** N/A

**Shipping name:** N/A

**Hazard Class:** N/A

**Packing group:** N/A

**Exceptions:** Ltd Qty. N/A

## 15. REGULATORY INFORMATION

TSCA-listed. EC-No. 210-640-4

## 16. OTHER INFORMATION

### Disclaimer:

The Safety Data Sheet (SDS) is for guidance and is based upon information and tests believed to be reliable. LAB-AIDS® makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation and verification. The data should not be confused with local, state, federal regulations, or insurance mandates, and CONSTITUTE NO WARRANTY. Any use of these data and information must be determined by the science instructor to be in accordance with applicable local, state or federal laws and regulations. The conditions or methods of handling, storage, use and disposal of the product(s) described are beyond LAB-AIDS, Inc. and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE OR DISPOSAL OF THIS PRODUCT(S).

## 1. IDENTIFICATION

### 1.1 Product Identifiers

Product Name: Glucose Solution  
Alternative names: Glucose water solution.  
Product Number: 6A-7EA,

**1.2 Relevant identified uses of the substance or mixture and uses advised against**  
Identified uses: For laboratory and educational use only

### 1.3 Details of the supplier of the safety data sheet

Company: LAB-AIDS®, Inc, 17 Colt Ct., Ronkonkoma, NY 11779, USA  
Telephone: +1 800 381 8003.  
Fax: +1 631 820 8268

**1.4 Emergency telephone number:** Emergency number: CHEMTREC 1 800 424-9300

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

GHS classification  
Not hazardous substance or mixture

### 2.2 Label elements, including precautionary statements

Signal word: Not classified  
Hazards statements: Not classified  
Precautionary statements: Not classified

Pictogram: Not classified

**2.3 Hazards not otherwise classified:** none

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 Substance:** Not applicable

### 3.2 Mixture

| Chemical Name | Product identifier | %   | GHS-US classification |
|---------------|--------------------|-----|-----------------------|
| Water         | CAS# 7732-18-5     | N/A | Not classified        |
| Glucose       | CAS# 50-99-7       | N/A | Not classified        |

**3.3 Chemicals where a trade secret is claimed:** Concentration of the mixture

## 4. FIRST AID MEASURE

### 4.1 Description of the first aid measure:

**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 medical attention if necessary.

**SKIN CONTACT:** Flush thoroughly with mild soap and water. Remove contaminated clothing. Get medical attention if irritation develop.

**4.2 Most important symptoms and effects, both acute and delayed:** Refer to section 11.

**4.3 Indication of any immediate medical attention and special treatment needed:** No additional information available.

## 5. FIREFIGHTING MEASURES

**5.1 Extinguishing media:** Nonflammable liquid

Suitable extinguishing media: Use TriClass, dry chemical extinguisher for surrounding fires.

**5.2 Special hazard arising from the substance or mixture:** Not available.

**5.3 Advice for firefighters:** Use self-contained breathing apparatus and protective clothing.

## 6. ACCIDENTAL RELEASE MEASURES

**6.1 Personal precautions:** Wear laboratory grade gloves, eye protection and a lab coat.

**6.2 Emergency procedures:** Restrict unprotected personnel from the area.

**6.3 Methods and material used for containment and cleanup procedure:** Mop up the area.

## 7. HANDLING AND STORAGE

**7.1 Precaution for safe handling:** Read label on container before using. Do not wear contact lenses when working with chemicals. For laboratory use only. Not for drug, food or household use. Use only under adult supervision. Avoid breathing vapor. Use with adequate ventilation. Wash hands thoroughly after handling.

**7.2 Storage:** Keep container in cool, well-ventilated area.

**7.3 incompatibility:** Refer to section 10.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1 Control parameters:** ACGIH: Not classified

**8.2 Exposure 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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Liquid.

**Appearance:** Clear.

**Odor:** Not available

**pH:** Not available

**Vapor Pressure ( mm Hg):** Not available

**Vapor Density:** Not available

**Evaporation Rate:** Not available

**Viscosity:** N/A

**Flash point:** N/A

**Autoignition:** N/A

**Boiling point:** Not available

**Melting point:** Not available

**Freezing point:** Not available

**Decomposition temp:** Not available

**Solubility:** Not available

**Specific gravity (H<sub>2</sub>O = 1):** Not available

**Percent volatile (%):** 100%

**Molecular formula:** Mixture

**Molecular weight:** Mixture

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable

**Conditions to Avoid:** Not available.

**Incompatibilities:** Not available

**Hazardous decomposition:** Not available.

**Hazardous polymerization:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**Acute effects:** Eyes: No data available. Skin: No data available. Inhalation: No data available. Ingestion: No data available.

### Toxicological data

Acute oral toxicity ORAL LD<sub>50</sub>: Not available

Acute vapor toxicity IHL-LC<sub>50</sub>: Not available

DERMAL LD<sub>50</sub>: Not available

### Carcinogenicity:

California prop 65: Not classified

## 12. ECOLOGICAL INFORMATION

Not available.

## 13. DISPOSAL CONSIDERATION

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

## 14. TRANSPORT INFORMATION

**UN number:** N/A

**Shipping name:** N/A

**Hazard Class:** N/A

**Packing group:** N/A

**Exceptions:** Ltd Qty. N/A

## 15. REGULATORY INFORMATION

TSCA-listed.

## 16. OTHER INFORMATION

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## 1. IDENTIFICATION

### 1.1 Product Identifiers

Product Name: Starch Suspension Solution  
Alternative names: Starch water solution.  
Product Number: 6A-8EA,

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: For laboratory and educational use only

### 1.3 Details of the supplier of the safety data sheet

Company: LAB-AIDS®, Inc, 17 Colt Ct., Ronkonkoma, NY 11779, USA  
Telephone: +1 800 381 8003.  
Fax: +1 631 820 8268

### 1.4 Emergency telephone number: Emergency number: CHEMTREC 1 800 424-9300

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

#### GHS classification

Not hazardous substance or mixture

### 2.2 Label elements, including precautionary statements

Signal word: Not classified  
Hazards statements: Not classified  
Precautionary statements: Not classified

Pictogram: Not classified

### 2.3 Hazards not otherwise classified: none

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substance: Not applicable

### 3.2 Mixture

| Chemical Name   | Product identifier | %   | GHS-US classification                                       |
|-----------------|--------------------|-----|---|
| Water           | CAS# 7732-18-5     | N/A | Not classified  |
| Starch solution | N/A                | N/A | Not classified  |
| Benzyl Benzoate | CAS# 120-51-4      | <1% | Acute Tox. 4, H302; Acute Aquatic 2; Chronic Aquatic 2 H411 |

### 3.3 Chemicals where a trade secret is claimed: Concentration of the mixture

## 4. FIRST AID MEASURE

### 4.1 Description of the first aid measure:

**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 medical attention if necessary.

**SKIN CONTACT:** Flush thoroughly with mild soap and water. Remove contaminated clothing. Get medical attention if irritation develop.

### 4.2 Most important symptoms and effects, both acute and delayed: Refer to section 11.

### 4.3 Indication of any immediate medical attention and special treatment needed: No additional information available.

## 5. FIREFIGHTING MEASURES

### 5.1 Extinguishing media: Nonflammable liquid

Suitable extinguishing media: Use TriClass, dry chemical extinguisher for surrounding fires.

### 5.2 Special hazard arising from the substance or mixture: Not available.

### 5.3 Advice for firefighters: Use self-contained breathing apparatus and protective clothing.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions: Wear laboratory grade gloves, eye protection and a lab coat.

### 6.2 Emergency procedures: Restrict unprotected personnel from the area.

### 6.3 Methods and material used for containment and cleanup procedure: Mop up the area.

## 7. HANDLING AND STORAGE

**7.1 Precaution for safe handling:** Read label on container before using. Do not wear contact lenses when working with chemicals. For laboratory use only. Not for drug, food or household use. Use only under adult supervision. Avoid breathing vapor. Use with adequate ventilation. Wash hands thoroughly after handling.

### 7.2 Storage: Keep container in cool, well-ventilated area.

### 7.3 Incompatibility: Refer to section 10.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1 Control parameters:** ACGIH: Not classified

**8.2 Exposure 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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Liquid.

**Appearance:** Milky.

**Odor:** Not available

**pH:** Not available

**Vapor Pressure ( mm Hg):** Not available

**Vapor Density:** Not available

**Evaporation Rate:** Not available

**Viscosity:** N/A

**Flash point:** N/A

**Autoignition:** N/A

**Boiling point:** Not available

**Melting point:** Not available

**Freezing point:** Not available

**Decomposition temp:** Not available

**Solubility:** Not available

**Specific gravity (H<sub>2</sub>O = 1):** Not available

**Percent volatile (%):** 100%

**Molecular formula:** Mixture

**Molecular weight:** Mixture

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable

**Conditions to Avoid:** Not available.

**Incompatibilities:** Not available

**Hazardous decomposition:** Not available.

**Hazardous polymerization:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**Acute effects:** Eyes: No data available. Skin: No data available. Inhalation: No data available. Ingestion: No data available.

### Toxicological data

Acute toxicity ORAL LD<sub>50</sub>: 1400mg/kg [Mouse] (Benzyl benzoate).

Acute toxicity DERMAL LD<sub>50</sub>: 4000mg/kg [Rat] (Benzyl benzoate).

Acute toxicity IHL-LC<sub>50</sub>: Not available

### Carcinogenicity:

California prop 65: Not classified

## 12. ECOLOGICAL INFORMATION

Not available.

## 13. DISPOSAL CONSIDERATION

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

## 14. TRANSPORT INFORMATION

**UN number:** N/A

**Shipping name:** N/A

**Hazard Class:** N/A

**Packing group:** N/A

**Exceptions:** Ltd Qty. N/A

## 15. REGULATORY INFORMATION

TSCA-listed.

## 16. OTHER INFORMATION

### Disclaimer:

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## 1. IDENTIFICATION

### 1.1 Product Identifiers

Product Name: Vegetable Oil  
Alternative names: Soya oil.  
Product Number: 6A-9EA,

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: For laboratory and educational use only

### 1.3 Details of the supplier of the safety data sheet

Company: LAB-AIDS®, Inc, 17 Colt Ct., Ronkonkoma, NY 11779, USA  
Telephone: +1 800 381 8003.  
Fax: +1 631 820 8268

1.4 Emergency telephone number: Emergency number: CHEMTREC 1 800 424-9300

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

#### GHS classification

Not a hazardous substance or mixture

### 2.2 Label elements, including precautionary statements

Signal word: Not classified  
Hazards statements: Not classified  
Precautionary statements: Not classified

Pictogram: Not classified

2.3 Hazards not otherwise classified: none

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance: Not applicable

### 3.2 Mixture

| Chemical Name | Product identifier | %    | GHS-US classification |
|---------------|--------------------|------|-----------------------|
| Vegetable oil | CAS# 8001-22-7     | 100% | Not classified        |

3.3 Chemicals where a trade secret is claimed: None

## 4. FIRST AID MEASURE

### 4.1 Description of the first aid measure:

**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 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 medical attention if necessary.

**SKIN CONTACT:** Flush thoroughly with mild soap and water. Remove contaminated clothing.

4.2 Most important symptoms and effects, both acute and delayed: Refer to section 11.

4.3 Indication of any immediate medical attention and special treatment needed: No additional information available.

## 5. FIREFIGHTING MEASURES

5.1 Extinguishing media: Nonflammable liquid

Suitable extinguishing media: Use TriClass, dry chemical extinguisher for surrounding fires.

5.2 Special hazard arising from the substance or mixture: Not available.

5.3 Advice for firefighters: Use self-contained breathing apparatus and protective clothing.

## 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions: Wear laboratory grade gloves, eye protection and a lab coat.

6.2 Emergency procedures: Restrict unprotected personnel from the area.

6.3 Methods and material used for containment and cleanup procedure: Wipe with paper towel.

## 7. HANDLING AND STORAGE

7.1 Precaution for safe handling: Read label on container before using. Do not wear contact lenses when working with chemicals. For laboratory use only. Not for drug, food or household use. Use only under adult supervision. Avoid breathing vapor. Use with adequate ventilation. Wash hands thoroughly after handling.

7.2 Storage: Keep container in cool, well-ventilated area.

7.3 incompatibility: Refer to section 10.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1 Control parameters:** ACGIH: Not classified

**8.2 Exposure 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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Liquid.

**Appearance:** Light yellow.

**Odor:** Not available

**pH:** Not available

**Vapor Pressure ( mm Hg):** Not available

**Vapor Density:** Not available

**Evaporation Rate:** Not available

**Viscosity:** N/A

**Flash point:** >113 °C (>235 °F)

**Autoignition:** N/A

**Boiling point:** Not available

**Melting point:** Not available

**Freezing point:** Not available

**Decomposition temp:** Not available

**Solubility:** Not available

**Specific gravity (H<sub>2</sub>O = 1):** 0.917g/cm<sup>3</sup>

**Percent volatile (%):** 100%

**Molecular formula:** Mixture

**Molecular weight:** Mixture

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable

**Conditions to Avoid:** Heat and open flames.

**Incompatibilities:** Strong oxidizing agents

**Hazardous decomposition:** Combustion can yield carbon oxides.

**Hazardous polymerization:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**Acute effects:** Eyes: May cause eye irritation . Skin: Not expected to cause any acute effects. Inhalation: Not expected to cause irritation to the respiratory tract and mucous membrane. Ingestion: Large doses may produce gastrointestinal disturbances. Get immediate medical attention if large quantities are swallowed.

**Toxicological data**

Acute oral toxicity ORAL LD<sub>50</sub>: Not available

Acute vapor toxicity IHL-LC<sub>50</sub>: Not available

DERMAL LD<sub>50</sub>: Not available

**Carcinogenicity:**

California prop 65: Not classified

## 12. ECOLOGICAL INFORMATION

Not available.

## 13. DISPOSAL CONSIDERATION

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

## 14. TRANSPORT INFORMATION

**UN number:** N/A

**Shipping name:** N/A

**Hazard Class:** N/A

**Packing group:** N/A

**Exceptions:** Ltd Qty. N/A

## 15. REGULATORY INFORMATION

TSCA-listed. EC-No. 232-274-4

## 16. OTHER INFORMATION

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