

# Safety Data Sheet

## according to WHS Regulations

Printing date 07.05.2019

Revision: 07.05.2019

### 1 Identification

- **Product identifier**
- **Trade name:** Sodium Acetate Reagent #5  
(For Diaphragm) Helium Purged
- **Article number:** OLI006A
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Aqua Solutions, Inc.  
6913 Highway 225  
DEER PARK, TX 77536  
USA  
800-256-2586
- **Further information obtainable from:**  
Technical Coordinator  
Sherman Nelson sherman@aquasolutions.org
- **Emergency telephone number:**  
Chemtec: 800-424-9300  
Canutec: 613-996-6666



### 2 Hazard(s) Identification

- **Classification of the substance or mixture**  
The product is not classified, according to the Globally Harmonised System (GHS).
- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Precautionary statements**  
*IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.*  
*IF ON SKIN: Wash with plenty of water.*  
*IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*  
*Dispose of contents/container in accordance with local/regional/national/international regulations.*
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition and Information on Ingredients

- **Chemical characterisation:** Mixtures
- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

|              |             |        |
|--------------|-------------|--------|
| CAS: 64-19-7 | Acetic Acid | 4.487% |
|--------------|-------------|--------|

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

AU

(Contd. on page 2)

# Safety Data Sheet

## according to WHS Regulations

Printing date 07.05.2019

Revision: 07.05.2019

**Trade name: Sodium Acetate Reagent #5  
(For Diaphragm) Helium Purged**

(Contd. of page 1)

### 4 First Aid Measures

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately rinse with water.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

### 6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:**  
Dilute with plenty of water.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7 Handling and Storage

- **Handling:**
- **Precautions for safe handling** No special measures required.
- **Information about fire - and explosion protection:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

AU

(Contd. on page 3)

# Safety Data Sheet

## according to WHS Regulations

Printing date 07.05.2019

Revision: 07.05.2019

**Trade name: Sodium Acetate Reagent #5  
(For Diaphragm) Helium Purged**

(Contd. of page 2)

### 8 Exposure controls and personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

**CAS: 64-19-7 Acetic Acid**

|     |   |
|-----|---|
| NES | Short-term value: 37 mg/m <sup>3</sup> , 15 ppm<br>Long-term value: 25 mg/m <sup>3</sup> , 10 ppm |
| WES | Short-term value: 37 mg/m <sup>3</sup> , 15 ppm<br>Long-term value: 25 mg/m <sup>3</sup> , 10 ppm |

- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** Not required.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:** Goggles recommended during refilling
- **Body protection:** Protective work clothing

### 9 Physical and Chemical Properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

**Form:** Liquid

**Colour:** Clear

- **Odour:** Vinegar

- **Odour threshold:** Not determined.

- **pH-value:** Not determined.

- **Change in condition**

**Melting point/freezing point:** Undetermined.

(Contd. on page 4)

## Safety Data Sheet

according to WHS Regulations

Printing date 07.05.2019

Revision: 07.05.2019

**Trade name: Sodium Acetate Reagent #5**  
**(For Diaphragm) Helium Purged**

(Contd. of page 3)

|  |   |
|--|---|
| <b>Initial boiling point and boiling range:</b> 100 °C |   |
| · <b>Flash point:</b>                                  | Not applicable.                               |
| · <b>Flammability (solid, gas):</b>                    | Not applicable.                               |
| · <b>Ignition temperature:</b>                         | 600 °C  |
| · <b>Decomposition temperature:</b>                    | Not determined.                               |
| · <b>Auto-ignition temperature:</b>                    | Product is not selfigniting.                  |
| · <b>Explosive properties:</b>                         | Product does not present an explosion hazard. |
| · <b>Explosion limits:</b>                             |   |
| <b>Lower:</b>  | Not determined.                               |
| <b>Upper:</b>  | Not determined.                               |
| · <b>Vapour pressure at 20 °C:</b>                     | 23 hPa  |
| · <b>Density at 20 °C:</b>                             | 1.21331 g/cm <sup>3</sup>                     |
| · <b>Relative density</b>                              | Not determined.                               |
| · <b>Vapour density</b>                                | Not determined.                               |
| · <b>Evaporation rate</b>                              | Not determined.                               |
| · <b>Solubility in / Miscibility with water:</b>       | Fully miscible.                               |
| · <b>Partition coefficient: n-octanol/water:</b>       | Not determined.                               |
| · <b>Viscosity:</b>                                    |   |
| <b>Dynamic:</b>  | Not determined.                               |
| <b>Kinematic:</b>                                      | Not determined.                               |
| · <b>Solvent content:</b>                              |   |
| <b>Organic solvents:</b>                               | 4.5 %   |
| <b>Water:</b>  | 48.6 %  |
| <b>VOC (EC)</b>  | 4.49 %  |
| <b>Solids content:</b>                                 | 46.9 %  |
| · <b>Other information</b>                             | No further relevant information available.    |

### 10 Stability and Reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

AU

(Contd. on page 5)

# Safety Data Sheet

## according to WHS Regulations

Printing date 07.05.2019

Revision: 07.05.2019

**Trade name: Sodium Acetate Reagent #5  
(For Diaphragm) Helium Purged**

(Contd. of page 4)

### 11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity**

· **LD/LC50 values relevant for classification:**

**ATE (Acute Toxicity Estimates)**

|        |      |                       |
|--------|------|-----------------------|
| Oral   | LD50 | 6,780 mg/kg (rat)     |
| Dermal | LD50 | 23,623 mg/kg (rabbit) |

- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritant effect.
- **Serious eye damage/irritation** No irritating effect.
- **Respiratory or skin sensitisation** No sensitising effects known.
- **Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

### 12 Ecological Information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**

· **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

· **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation** Smaller quantities can be disposed of with household waste.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

### 14 Transport information

- **UN-Number**
- **ADG, ADN, IMDG, IATA** Not regulated

(Contd. on page 6)

# Safety Data Sheet

## according to WHS Regulations

Printing date 07.05.2019

Revision: 07.05.2019

**Trade name: Sodium Acetate Reagent #5  
(For Diaphragm) Helium Purged**

(Contd. of page 5)

|                                  |               |
|----------------------------------|---------------|
| · <b>UN proper shipping name</b> |               |
| · <b>ADG, ADN, IATA</b>          | Not regulated |
| · <b>IMDG</b>                    | Not Regulated |
|                                  | Not regulated |

|                                     |               |
|-------------------------------------|---------------|
| · <b>Transport hazard class(es)</b> |               |
| · <b>ADG, ADN, IMDG, IATA</b>       |               |
| · <b>Class</b>                      | Not regulated |

|                          |               |
|--------------------------|---------------|
| · <b>Packing group</b>   |               |
| · <b>ADG, IMDG, IATA</b> | Not regulated |

|                                 |                 |
|---------------------------------|-----------------|
| · <b>Environmental hazards:</b> | Not applicable. |
|---------------------------------|-----------------|

|                                       |                 |
|---------------------------------------|-----------------|
| · <b>Special precautions for user</b> | Not applicable. |
|---------------------------------------|-----------------|

|   |                 |
|---|-----------------|
| · <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b> | Not applicable. |
|---|-----------------|

|                                 |               |
|---------------------------------|---------------|
| · <b>UN "Model Regulation":</b> | Not regulated |
|---------------------------------|---------------|

### 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Australian Inventory of Chemical Substances**

|                |                           |
|----------------|---------------------------|
| CAS: 6131-90-4 | Sodium Acetate Trihydrate |
|----------------|---------------------------|

|              |             |
|--------------|-------------|
| CAS: 64-19-7 | Acetic Acid |
|--------------|-------------|

· **Standard for the Uniform Scheduling of Medicines and Poisons**

|              |             |
|--------------|-------------|
| CAS: 64-19-7 | Acetic Acid |
|--------------|-------------|

S2, S5, S6

· **GHS label elements** Void

· **Hazard pictograms** Void

· **Signal word** Void

· **Hazard statements** Void

· **Precautionary statements**

*IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.*

*IF ON SKIN: Wash with plenty of water.*

*IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*

*Dispose of contents/container in accordance with local/regional/national/international regulations.*

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

· **Department issuing SDS:** Environment protection department.

· **Contact:**

(Contd. on page 7)

**Safety Data Sheet**  
according to WHS Regulations

Printing date 07.05.2019

Revision: 07.05.2019

**Trade name: Sodium Acetate Reagent #5**  
**(For Diaphragm) Helium Purged**

(Contd. of page 6)

**· Abbreviations and acronyms:**

*ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)*

*IMDG: International Maritime Code for Dangerous Goods*

*IATA: International Air Transport Association*

*EINECS: European Inventory of Existing Commercial Chemical Substances*

*ELINCS: European List of Notified Chemical Substances*

*CAS: Chemical Abstracts Service (division of the American Chemical Society)*

*VOC: Volatile Organic Compounds (USA, EU)*

*LC50: Lethal concentration, 50 percent*

*LD50: Lethal dose, 50 percent*

*PBT: Persistent, Bioaccumulative and Toxic*

*vPvB: very Persistent and very Bioaccumulative*

AU