

# Safety Data Sheet

acc. to OSHA HCS

Printing date 12/20/2021

Reviewed on 12/20/2021

## 1 Identification

- **Product identifier**
- **Trade name:** OH lvl 8
- **Article number:** HON203
- **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
- **Information department:**  
Technical Coordinator  
Sherman Nelson shermann@aquasolutions.org
- **Emergency telephone number:**  
Chemtrec: 800-424-9300  
Canutec: 613-996-6666



## 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS08 Health hazard

Carc. 2      H351 Suspected of causing cancer.



GHS07

Eye Irrit. 2A   H319 Causes serious eye irritation.

STOT SE 3    H336 May cause drowsiness or dizziness.

- **Label elements**
- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS07



GHS08

- **Signal word** Warning
- **Hazard-determining components of labeling:**  
Isopropanol  
Vinyl Acetate, Reagent Grade
- **Hazard statements**  
Causes serious eye irritation.  
Suspected of causing cancer.  
May cause drowsiness or dizziness.
- **Precautionary statements**  
Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.

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Avoid breathing dust/fume/gas/mist/vapors/spray

Wash thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Wear protective gloves/protective clothing/eye protection/face protection.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF exposed or concerned: Get medical advice/attention.

Call a poison center/doctor if you feel unwell.

If eye irritation persists: Get medical advice/attention.

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

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

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



Health = 2

Fire = 0

Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**



Health = 2

Fire = 0

Reactivity = 0

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

## 3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

|               |                              |       |
|---------------|------------------------------|-------|
| CAS: 67-63-0  | Isopropanol                  | 96.5% |
| CAS: 108-05-4 | Vinyl Acetate, Reagent Grade | 3.0%  |

· **Table of Nonhazardous Ingredients**

|              |         |      |
|--------------|---------|------|
| CAS: 67-64-1 | Acetone | 0.5% |
|--------------|---------|------|

## 4 First-aid measures

· **Description of first aid measures**

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:** Generally the product does not irritate the skin.

· **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, 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.

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- **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 fighting measures that suit the environment.
- **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.  
Ensure adequate ventilation.
- **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.
- **Protective Action Criteria for Chemicals**

### · PAC-1:

|               |                              |         |
|---------------|------------------------------|---------|
| CAS: 67-63-0  | Isopropanol                  | 400 ppm |
| CAS: 108-05-4 | Vinyl Acetate, Reagent Grade | 6.7 ppm |
| CAS: 67-64-1  | Acetone                      | 200 ppm |

### · PAC-2:

|               |                              |           |
|---------------|------------------------------|-----------|
| CAS: 67-63-0  | Isopropanol                  | 2000* ppm |
| CAS: 108-05-4 | Vinyl Acetate, Reagent Grade | 36 ppm    |
| CAS: 67-64-1  | Acetone                      | 3200* ppm |

### · PAC-3:

|               |                              |             |
|---------------|------------------------------|-------------|
| CAS: 67-63-0  | Isopropanol                  | 12000** ppm |
| CAS: 108-05-4 | Vinyl Acetate, Reagent Grade | 180 ppm     |
| CAS: 67-64-1  | Acetone                      | 5700* ppm   |

## 7 Handling and storage

- **Handling:**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Open and handle receptacle with care.  
Prevent formation of aerosols.
- **Information about protection against explosions and fires:** Keep respiratory protective device available.

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- **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:** Keep receptacle tightly sealed.
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

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

#### · Components with limit values that require monitoring at the workplace:

##### CAS: 67-63-0 Isopropanol

|     |  |
|-----|--|
| PEL | Long-term value: 980 mg/m <sup>3</sup> , 400 ppm   |
| REL | Short-term value: 1225 mg/m <sup>3</sup> , 500 ppm<br>Long-term value: 980 mg/m <sup>3</sup> , 400 ppm |
| TLV | Short-term value: 400 ppm<br>Long-term value: 200 ppm<br>BEI, A4                                       |

##### CAS: 108-05-4 Vinyl Acetate, Reagent Grade

|     |  |
|-----|--|
| REL | Ceiling limit value: 15* mg/m <sup>3</sup> , 4* ppm<br>*15-min |
| TLV | Short-term value: 15 ppm<br>Long-term value: 10 ppm<br>A3      |

#### · Ingredients with biological limit values:

##### CAS: 67-63-0 Isopropanol

|     |  |
|-----|--|
| BEI | 40 mg/L<br>LD50 Intraperitoneal: urine<br>Time: end of shift at end of workweek<br>LD50: Acetone (background, nonspecific) |
|-----|--|

- **Additional information:** The lists that were valid during the creation were used as basis.

#### · Exposure controls

##### · Personal protective equipment:

##### · General protective and hygienic measures:

- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing.
- Wash hands before breaks and at the end of work.
- Store protective clothing separately.
- Avoid contact with the eyes.
- Avoid contact with the eyes and skin.

##### · Breathing equipment:

- In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

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## · 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:



Tightly sealed goggles

## · Body protection: Protective work clothing

## 9 Physical and chemical properties

### · Information on basic physical and chemical properties

#### · General Information

#### · Appearance:

|                 |                 |
|-----------------|-----------------|
| Form:           | Liquid          |
| Color:          | Colorless       |
| Odor:           | Organic         |
| Odor threshold: | Not determined. |

· pH-value: Not determined.

#### · Change in condition

|                              |                      |
|------------------------------|----------------------|
| Melting point/Melting range: | -89.5 °C (-129.1 °F) |
| Boiling point/Boiling range: | 100 °C (212 °F)      |

· Flash point: Not applicable.

· Flammability (solid, gaseous): Not applicable.

· Ignition temperature: 425 °C (797 °F)

· Decomposition temperature: Not determined.

· Auto igniting: Product is not selfigniting.

· Danger of explosion: Product does not present an explosion hazard.

#### · Explosion limits:

|        |          |
|--------|----------|
| Lower: | 2 Vol %  |
| Upper: | 12 Vol % |

· Vapor pressure at 20 °C (68 °F): 43 hPa (32.3 mm Hg)

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- |                                    |   |
|------------------------------------|---|
| · <b>Density at 20 °C (68 °F):</b> | 0.99696 g/cm <sup>3</sup> (8.31963 lbs/gal) |
| · <b>Relative density</b>          | Not determined.                             |
| · <b>Vapor 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>  | 97.0 %                  |
| <b>VOC content:</b>       | 96.50 %                 |
|                           | 962.1 g/l / 8.03 lb/gal |

- |                        |       |
|------------------------|-------|
| <b>Solids content:</b> | 0.0 % |
|------------------------|-------|

- |                            |  |
|----------------------------|--|
| · <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.

## 11 Toxicological information

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

- |   |
|---|
| · <b>LD/LC50 values that are relevant for classification:</b> |
|---|

|                                      |  |  |
|--------------------------------------|--|--|
| <b>ATE (Acute Toxicity Estimate)</b> |  |  |
|--------------------------------------|--|--|

|            |         |          |
|------------|---------|----------|
| Inhalative | LC50/4h | 367 mg/l |
|------------|---------|----------|

|   |  |  |
|---|--|--|
| <b>CAS: 108-05-4 Vinyl Acetate, Reagent Grade</b> |  |  |
|---|--|--|

|            |         |               |
|------------|---------|---------------|
| Inhalative | LC50/4h | 11 mg/l (ATE) |
|------------|---------|---------------|

- **Primary irritant effect:**
  - **on the skin:** No irritant effect.
  - **on the eye:** Irritating effect.
  - **Sensitization:** No sensitizing effects known.
  - **Additional toxicological information:**
- The product shows the following dangers according to internally approved calculation methods for preparations:
- Irritant

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- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

|               |                              |    |
|---------------|------------------------------|----|
| CAS: 67-63-0  | Isopropanol                  | 3  |
| CAS: 108-05-4 | Vinyl Acetate, Reagent Grade | 2B |

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

## 12 Ecological information

- **Toxicity**

- **Aquatic toxicity:** No further relevant information available.

- **Persistence and degradability** No further relevant information available.

- **Behavior 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 (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:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- **Uncleaned packagings:**

- **Recommendation:** Disposal must be made according to official regulations.

- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

## 14 Transport information

- **UN-Number**

- **DOT, IMDG, IATA**

UN1993

- **UN proper shipping name**

- **DOT**

Flammable liquids, n.o.s. (Isopropanol)

- **IMDG, IATA**

FLAMMABLE LIQUID, N.O.S. (Isopropanol)

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· **Transport hazard class(es)**· **DOT**· **Class**

3 Flammable liquids

· **Label**

3

· **IMDG, IATA**· **Class**

3 Flammable liquids

· **Label**

3

· **Packing group**· **DOT, IMDG, IATA**

II

· **Environmental hazards:**

Not applicable.

· **Special precautions for user**

Warning: Flammable liquids

· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

· **UN "Model Regulation":**

UN 1993 FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL), 3, II

## 15 Regulatory information

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

No further relevant information available.

· **Sara**· **Section 355 (extremely hazardous substances):**

CAS: 108-05-4 Vinyl Acetate, Reagent Grade

· **Section 313 (Specific toxic chemical listings):**

CAS: 67-63-0 Isopropanol

CAS: 108-05-4 Vinyl Acetate, Reagent Grade

· **TSCA (Toxic Substances Control Act):**

Isopropanol

ACTIVE

Vinyl Acetate, Reagent Grade

ACTIVE

Acetone

ACTIVE

· **Hazardous Air Pollutants**

CAS: 108-05-4 Vinyl Acetate, Reagent Grade

· **Proposition 65**· **Chemicals known to cause cancer:**

None of the ingredients is listed.

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· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

CAS: 67-64-1 Acetone

I

· **TLV (Threshold Limit Value)**

CAS: 67-63-0 Isopropanol

A4

CAS: 108-05-4 Vinyl Acetate, Reagent Grade

A3

CAS: 67-64-1 Acetone

A4

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**



GHS07 GHS08

· **Signal word** Warning

· **Hazard-determining components of labeling:**

Isopropanol

Vinyl Acetate, Reagent Grade

· **Hazard statements**

Causes serious eye irritation.

Suspected of causing cancer.

May cause drowsiness or dizziness.

· **Precautionary statements**

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Avoid breathing dust/fume/gas/mist/vapors/spray

Wash thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Wear protective gloves/protective clothing/eye protection/face protection.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

IF exposed or concerned: Get medical advice/attention.

Call a poison center/doctor if you feel unwell.

If eye irritation persists: Get medical advice/attention.

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

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

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· **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:**

· **Date of preparation / last revision**

Revision 0.1, 12-20-21: Updated product name. STN

12/20/2021 / 1.5

· **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

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)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

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

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

BEI: Biological Exposure Limit

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

Carc. 2: Carcinogenicity – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

· **\* Data compared to the previous version altered.**

US