

# SAFETY DATA SHEET

Acetic Acid Standard Solution

Version 1.0 Revision 6  
 Creation Date: 17/02/2022  
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## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product Details

**Product name** : TOC standard (Acetic acid), 0.1–20%  
**Trade name** : TOC calibration standard solution (Acetic acid), XXXXXXppm  
**Chemical name** : Acetic acid  
**Molecular weight** : 60.05 g/mol  
**Chemical family** : Acidic solution  
**Manufacturer's code** : CD04-600XXX, C-SA- B04-30XXX  
**Identified uses** : Laboratory chemicals, TOC standard solution

### 1.2 Company Identification

**Manufacturer's name** : Centronics Sdn Bhd  
**Distributor's name & address** : Centronics Sdn Bhd  
 Centronics Systems & Services Sdn Bhd  
 No. 23, Jalan Sungai Jerluh 32/196  
 Seksyen 32, Bukit Kemuning  
 40460 Shah Alam, SEL  
**Emergency tel. no.** : 603-5525 2568  
**Fax. no.** : 603-5131 5668

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008  
 This substance is not classified as dangerous according to Directive 67/548/EEC.

### 2.2 Label elements



**Signal word**

**Warning**

### 2.3 Hazard statements

#### Risk phrases (R)

R20/R21/22 Harmful by inhalation, in contact with skin and if swallowed  
 R36 Irritating to eyes

### 2.4 Precautionary statements

#### Safety phrases (S)

S36 Wear suitable protective clothing  
 S7 Keep container tightly closed

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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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### Mixtures

Chemical Name	CAS #	Proportion Min. (%)	Proportion Max. (%)
Acetic acid solution (Glacial)	64-19-7	0.0001%	2.13
Water	7732-18-5	99.99%	97.87

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## SECTION 4: FIRST AID MEASURES

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### Description of first aid measures

#### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

#### In case of skin contact

Wash off with soap and plenty of water.

#### In case of eye contact

Flush eyes with water as a precaution.

#### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

#### Most important symptoms and effects, both acute and delayed

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

#### Indication of any immediate medical attention and special treatment needed

No data available

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## SECTION 5: FIRE-FIGHTING MEASURES

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### Extinguishing media

#### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

#### Special hazards arising from the substance or mixture

Nature of decomposition products not known.

#### Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

#### Further information

No data available

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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### Leak/Spills:

#### Environmental precautions

No special environmental precautions required.

#### Methods and materials for containment and cleaning up

Keep in suitable, closed containers for disposal.

#### Reference to other sections

For disposal see section 13.

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## SECTION 7: HANDLING AND STORAGE

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### 7.1 Precautions for safe handling

Suitable PPE and safe environment

### 7.2 Conditions for safe storage, including any incompatibilities

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

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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**8.1 Exposure Limit** : Components with workplace control parameters

**8.2 Personal protection** :

#### Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH or EN 166(EU).

#### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

#### Body Protection

Impervious clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### Respiratory protection

Respiratory protection not required.

**8.3 Ventilation** : Well-ventillated

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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## Information on basic physical and chemical properties

<b>Appearance</b>	Form: clear, liquid Colour: colourless
<b>Odour</b>	: No data available
<b>Solubility</b>	: Soluble in water
<b>pH</b>	: 4 – 5
<b>Boiling Point</b>	: 100 °C at 1.013 hPa
<b>Melting Point</b>	: No data available
<b>Vapour Pressure (mm of Hg at 25°C )</b>	: No data available
<b>Percentage Volatiles</b>	: No data available
<b>Evaporation Rate</b>	: No data available
<b>Vapour Density</b>	: No data available
<b>Specific Gravity</b>	: No data available
<b>Flash point</b>	: No data available
<b>Autoignition temperature</b>	: No data available
<b>Flammable limit (%) and other properties if applicable.</b>	: No data available

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## SECTION 10: STABILITY AND REACTIVITY

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<b>Conditions to avoid</b>	: No data available
<b>Incompatible materials</b>	: Strong oxidizing agents
<b>Decomposition hazardous</b>	: No data available
<b>Hazardous polymerization</b>	: No data available

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## SECTION 11: TOXICOLOGICAL INFORMATION

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<b>Toxicity data</b>	
<b>Inhalation</b>	: May be harmful if inhaled. May cause respiratory tract irritation.
<b>Ingestion</b>	: May be harmful if swallowed.
<b>Skin</b>	: May be harmful if absorbed through skin.
<b>Eyes</b>	: May cause eye irritation.
<b>Carcinogenicity</b>	: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
<b>Reproductive effect</b>	: No data available
<b>Effects of overexposure</b>	: No data available
<b>Chronics effects</b>	: No data available
<b>Specific target organ</b>	: No data available

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## SECTION 12: ECOLOGICAL INFORMATION

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**Mobility** : No data available  
**Bioaccumulation** : No data available  
**Biodegradability** : No data available  
**Toxicity** : No data available

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## SECTION 13: DISPOSAL CONSIDERATIONS

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### Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

### Contaminated packaging

Dispose of as unused product.

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## SECTION 14: TRANSPORT INFORMATION

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### UN number

ADR/RID: - IMDG: - IATA: -

### UN proper shipping name

ADR/RID: Not dangerous goods  
 IMDG: Not dangerous goods  
 IATA: Not dangerous goods

### Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

### Packaging group

ADR/RID: - IMDG: - IATA: -

### Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

### Special precautions for user

No data available

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## SECTION 15: REGULATORY INFORMATION

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This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

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No data available

## Chemical safety assessment

No data available

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## SECTION 16: OTHER INFORMATION

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

No data available

Creation Date: 03/07/2015

Revision Date: 26/08/2020

Revision of the SDS: Revision 5

Reason for revision: Change of storage condition

### Disclaimer:

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