

AUSTRALIAN CHEMICAL REAGENTS
SAFETY DATA SHEET

Date Prepared: January 2022
Version No: 6

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Wijs Iodine Solution
Product Code: 0482
Other Names: Nil
Uses: Analytical Reagent
Supplier: Australian Chemical Reagents
38-50 Bedford Street Gillman SA 5013
Contacts: Telephone: 61 08 84402000
Fax: 61 08 84402001
Emergency Phone: 61 08 84402000 Mon – Fri 8:30am – 5:00pm

2. HAZARDS INFORMATION

GHS Classification

Flammable Liquids: Category 3
Skin Corrosion/Irritation: Category 1A

Signal Word(s)
Pictogram(s)

DANGER



Hazard Statement(s)

H226 Flammable liquid and vapour.
H314 Causes severe skin burns and eye damage.

Precautionary Statement(s)
Preventative

P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting/.../equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P264 Wash thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

| | |
|-----------------|---|
| Response | P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P363 Wash contaminated clothing before reuse. P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P310 Immediately call a POISON CENTER or doctor/physician. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P370+P378 In case of fire: Use water spray, carbon dioxide or dry chemical for extinction. |
| Storage | P403+P235 Store in a well-ventilated place. Keep cool. |
| Disposal | P501 Dispose of contents/container to an approved waste disposal plant. |

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients :

| Chemical Entity | CAS No | Proportion |
|------------------------|---------------|-------------------|
| Acetic acid | [67 - 19 - 7] | 98% |
| Iodine monochloride | [7790-90-0] | 2% |

4. FIRST AID MEASURES

Safety showers and eye wash facilities should be provided.

Swallowed :

If conscious wash out mouth with water. Seek medical advice. Show this SDS to medical practitioner.

Eye :

Immediately hold eyelids open and flood with water for at least 15 minutes. Obtain medical aid. Show this SDS to medical practitioner.

Skin :

Remove contaminated clothing. Immediately wash skin thoroughly with water and mild soap. Seek medical advice if irritation persists. Show this SDS to medical practitioner. Launder clothing before reuse.

Inhaled :

Remove from contaminated air. Maintain breathing with artificial respiration if necessary. Seek medical assistance. Show this SDS to a doctor.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

Hazards From Combustion Products:

Product is flammable. Decomposition products include oxides of carbon.

Precautions For Fire Fighters and Special Protective Equipment:

Fire fighters and others who may be exposed to combustion products during fire should wear full protective clothing including positive pressure self-contained breathing apparatus (SCBA). Wear SCBA with full face-piece, operated in positive pressure mode when fighting fires.

6. ACCIDENTAL RELEASE MEASURES

Emergency procedures:

Prevent from entering waterways. Restrict access to area. Ventilate area.

Methods and materials for containment and clean up:

Wear appropriate personal protective equipment. Neutralise spills with sodium bicarbonate. Use inert material such as sand or earth to contain spill or leak. Absorb spills with chemical absorber or vermiculite and dispose of in accordance with local regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling:

Do not get in eyes, on skin, on clothing. Avoid prolonged or repeated exposure.

Conditions for Safe Storage:

Store sealed in original container in a cool well ventilated situation away from foods and other chemicals. Keep sealed and isolated from sources of heat, sparks and flames. Do not mix with oxidising agents. Do not store in direct sunlight. Observe good hygiene and housekeeping practices.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards:

Safe Work Australia – Acetic acid 25mg/m³ (TWA) 37mg/m³ (STEL)

Biological Limit Values: No data available.

Engineering Controls:

Preferably use in chemical fume hood or with adequate general ventilation.

Personal Protective Equipment (PPE):

The use of nitrile or neoprene gloves complying with AS 2161 and the use of faceshield, chemical goggles or safety glasses with side shield protection complying with AS/NZS 1337 is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|--------------------|
| Appearance : | Clear red liquid |
| Odour: | Pungent |
| pH: | 2 |
| Boiling Point (°C) : | 118 |
| Freezing/melting Point: | Not available |
| Vapour Pressure (mm of Hg @ 25°C) : | Not available |
| Vapour Density: | Not available |
| Specific Gravity : | 1.05 |
| Flash Point (°C) : | 40 |
| Flammability Limits (%) : | lower 4% upper 19% |
| Solubility in Water (g/L) : | Soluble |

10. STABILITY AND REACTIVITY

Chemical stability:

Stable.

Conditions to avoid:

Excessive heat.

Incompatible materials:

Nil

Hazardous decomposition products:

Refer to section 5 (Fire Fighting Measures).

Hazardous reactions:

Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Health Effects:

Swallowed : Extremely destructive to tissue. For acetic acid, LD50 oral rat 3530mg/kg.

Eye : Very corrosive to eye tissue. For acetic acid a 100mg rinse produced mild irritation in rabbit eyes.

Skin : Corrosive to skin tissue. 50mg of acetic acid produced mild irritation after 24 hours..

Inhaled : Irritating to tissue of respiratory tract. May cause spasm, inflammation and oedema of the larynx and bronchi , chemical pneumonitis and pulmonary oedema. May result in coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting. For acetic acid LCLO (rat) 16000ppm/4 hrs.

Chronic Effects: No data available

12. ECOLOGICAL INFORMATION

Ecotoxicity:

No data available.

Persistence and degradability:

No data available.

Mobility:

No data available.

13. DISPOSAL CONSIDERATIONS

Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state and local environmental regulations.

14. TRANSPORT INFORMATION

UN Number: 2920

UN Proper Shipping Name: CORROSIVE LIQUID FLAMMABLE NOS (Contains acetic acid 98%)

Class and subsidiary risk(s): 8, 3

Packing Group: II

Hazchem Code: 2P

Special precautions for user : Nil

15. REGULATORY INFORMATION

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP):

Schedule 6

16. OTHER INFORMATION

Disclaimer:

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