

SDS no. DC2E58JK • Version 1.0 • Date of issue: 2023-02-28

**GHS Product identifier**

Product name	Methyl Orange Aqueous Solutions
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## Laboratory and Analytical Reagent

### Supplier's details

Name	ChemSupply Australia Pty Ltd
Address	38-50 Bedford Street 5013 Gillman South Australia Australia

Telephone 08 8440 2000  
email [www.chemsupply.com](http://www.chemsupply.com)

**Emergency phone number**

CHEMCALL 1800 127 406 (Australia) / +64-4-917-9888 (International)

### General hazard statement

Not classified as dangerous goods according to the Australian Dangerous Goods Code (ADG).

Classified as non-Hazardous according to the Globally Harmonised System of classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

### Classification of the substance or mixture

**GHS classification in accordance with: UN GHS revision 7**

Not a hazardous substance or mixture.

### GHS label elements, including precautionary statements

Not a hazardous substance or mixture.

### Other hazards which do not result in classification

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Not a hazardous substance or mixture.

### SECTION 3: Composition/information on ingredients

#### Mixtures

Other components either not classified as Hazardous under the GHS, or below cut-off concentrations to be classified as Hazardous.

#### Hazardous components

Component	Concentration
4-DIMETHYLAMINOAZOBENZENE-4-SULFONIC ACID, SODIUM SALT (CAS no.: 547-58-0; EC no.: 208-925-3)	<= 0.2 % (weight)
CLASSIFICATIONS: Acute toxicity, oral, Cat. 3. HAZARDS: H301 - Toxic if swallowed.	
Water/Aqua/Eau (CAS no.: 7732-18-5)	>= 99.8 % (weight)
CLASSIFICATIONS: No data available. HAZARDS: No data available.	

### SECTION 4: First-aid measures

#### Description of necessary first-aid measures

General advice	First Aid Facilities: Maintain eyewash fountain in work area.
If inhaled	If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.
In case of skin contact	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.
In case of eye contact	If in eyes wash out immediately with water.
If swallowed	If swallowed, do NOT induce vomiting.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

#### Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically based on judgement of doctor and individual reactions of the patient.

### SECTION 5: Fire-fighting measures

#### Suitable extinguishing media

Specific Methods: Small fire: Use dry chemical, CO2, water spray or foam.

Large fire: Use water spray, fog or foam.

If safe to do so, move undamaged containers from the fire area. Cool containers with flooding quantities of water until well after the fire is out.

#### Specific hazards arising from the chemical

Material does not burn. Runoff may pollute waterways

#### Special protective actions for fire-fighters

Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. Fight fire from safe location.

### SECTION 6: Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation. Use personal protective equipment. Avoid dust formation. For personal protection see section 8.

**Methods and materials for containment and cleaning up**

Do NOT touch or walk through this product. Stop leak if safe to do so. Prevent entry into waterways, drains, confined areas. Prevent dust cloud. Use clean non-sparking tools to collect material and place it into loosely-covered plastic containers for later disposal. Wash area down with excess water.

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**SECTION 7: Handling and storage**

**Precautions for safe handling**

Use personal protective equipment as required. Keep container closed when not in use. Never return spills in original containers for re-use. Keep out of the reach of children.

**Conditions for safe storage, including any incompatibilities**

Store in a cool, dry, well-ventilated area, out of direct sunlight. Store in suitable, labelled containers. Keep containers tightly closed. Store away from incompatible materials. Ensure that storage conditions comply with applicable local and national regulations.

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**SECTION 8: Exposure controls/personal protection**

**Appropriate engineering controls**

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits.

**Individual protection measures, such as personal protective equipment (PPE)**

**Eye/face protection**

The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336.

**Skin protection**

Clean impervious clothing should be worn. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.

Hand Protection: Normally not required but if in doubt ensure hand protection should comply with AS 2161, Occupational protective gloves - Selection, use and maintenance.

**Body protection**

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

**Respiratory protection**

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapor/ mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements. Reference should be made to Australian Standards AS/ NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

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**SECTION 9: Physical and chemical properties**

**Basic physical and chemical properties**

Physical state

Liquid

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Appearance	Clear
Color	Orange
Odor	Nil
Odor threshold	No data available.
Melting point/freezing point	0C
Boiling point or initial boiling point and boiling range	100C
Flammability	Not combustible
Lower and upper explosion limit/flammability limit	No data available.
Flash point	No data available.
Explosive properties	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Oxidizing properties	No data available.
pH	7
Kinematic viscosity	No data available.
Solubility	No data available.
Partition coefficient n-octanol/water (log value)	No data available.
Vapor pressure	No data available.
Evaporation rate	No data available.
Density and/or relative density	1
Relative vapor density	No data available.

#### Particle characteristics

No data available.

#### Supplemental information regarding physical hazard classes

No data available.

#### Further safety characteristics (supplemental)

No data available.

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## SECTION 10: Stability and reactivity

#### Reactivity

Stable under normal conditions of storage and handling.

Reacts with incompatible materials

#### Chemical stability

Stable under recommended storage conditions.

#### Possibility of hazardous reactions

None under normal use conditions.

#### Conditions to avoid

Avoid storing in direct sunlight and avoid extremes of temperature.

#### Incompatible materials

Strong oxidizing agents

#### Hazardous decomposition products

Other decomposition products - No data available In the event of fire: see section 5

## **SECTION 11: Toxicological information**

### **Information on toxicological effects**

#### **Acute toxicity**

No data available.

#### **Skin corrosion/irritation**

No data available.

#### **Serious eye damage/irritation**

No data available.

#### **Respiratory or skin sensitization**

No data available.

#### **Germ cell mutagenicity**

No data available.

#### **Carcinogenicity**

No data available.

#### **Reproductive toxicity**

No data available.

#### **Summary of evaluation of the CMR properties**

No data available.

#### **Specific target organ toxicity (STOT) - single exposure**

No data available.

#### **Specific target organ toxicity (STOT) - repeated exposure**

No data available.

#### **Aspiration hazard**

No data available.

### **Additional information**

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4-DIMETHYLAMINOAZOBENZENE-4-SULFONIC ACID, SODIUM SALT: \*TOXICITY:  
Oral, rat: LD50 = 60 mg/kg;

\*AQTX/TLM96: Not available

\*SAX TOXICITY EVALUATION: Not available

\*CARCINOGENICITY: Not available

\*MUTATION DATA:

mma-sat 1 mg/plate

dns-hmn:fbr 28 mg/L

otr-ham:kdy 25 mg/L

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\*TERATOGENICITY: Not available

### \*STANDARDS, REGULATIONS & RECOMMENDATIONS:

OSHA: None

ACGIH: None

NIOSH Criteria Document: None

NFPA Hazard Rating: Health (H): None

Flammability (F): None

Reactivity (R): None

### \*OTHER TOXICITY DATA:

Status: Reported in EPA TSCA Inventory, 1980

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## SECTION 12: Ecological information

### Toxicity

No data available.

### Persistence and degradability

No data available.

### Bioaccumulative potential

No data available.

### Mobility in soil

No data available.

### Results of PBT and vPvB assessment

No data available.

### Endocrine disrupting properties

No data available.

### Other adverse effects

No data available.

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## SECTION 13: Disposal considerations

### Disposal methods

### Product disposal

Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers.

### Other disposal recommendations

Do not discharge this material into waterways, drains and sewers.

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## SECTION 14: Transport information

### ADG (Road and Rail)

Not dangerous goods

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### IMDG

Not dangerous goods

### IATA

Not dangerous goods

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## SECTION 15: Regulatory information

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## SECTION 16: Other information

### Further information/disclaimer

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