

# SAFETY DATA SHEET

Version: v1

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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifiers

Product name : 2,6-Dimethylphenol solution  
Product Number : D104341  
Brand : aladdin  
CAS-No. : 576-26-1

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Manufacture of substances.

### 1.3 Company

Company : ALADDIN SCIENTIFIC CORPORATION  
Address : 14078 Meridian Parkway,  
Riverside, CA. 92518  
Telephone : +1 (833) 552-7181  
Fax : no data available

### 1.4 Emergency telephone number

CHEMTREC®, Inside the USA : 1-800-424-9300  
CHEMTREC®, Outside the USA :

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

### 2.2 GHS Label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)

H314 Causes severe skin burns and eye damage  
H335 May cause respiratory irritation  
H411 Toxic to aquatic life with long lasting effects  
H301+H311 Toxic if swallowed or in contact with skin

Precautionary statement(s)

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

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|                     |                                                                                                                                                                                                          |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| P264                | Wash hands [and ...] thoroughly after handling.                                                                                                                                                          |
| P301+P330+P331      | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.                                                                                                                                                       |
| P303+P361+P353      | IF ON SKIN (or hair): Take off Immediately all contaminated clothing. Rinse SKIN with water [or shower].                                                                                                 |
| P301+P310+P330      | IF SWALLOWED: Rinse mouth.Immediately call a POISON CENTER/doctor/.                                                                                                                                      |
| P304+P340+P310      | IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.                                                                                     |
| P305+P351+P338+P310 | IF IN EYES: Rinse cautiously with water for several minutes. If contact lenses are worn and can be easily removed, remove Contact lenses. Continue rinsing. Immediately call an emergency center/doctor. |

## 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

|                  |                                    |
|------------------|------------------------------------|
| Synonyms         | : 2,6-xylenol                      |
| Formula          | : C <sub>8</sub> H <sub>10</sub> O |
| Molecular weight | : 122.17                           |

| Component | Classification | Concentration |
|-----------|----------------|---------------|
|-----------|----------------|---------------|

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**General advice**

no data available

**If inhaled**

no data available

**In case of skin contact**

no data available

**In case of eye contact**

no data available

**If swallowed**

Do not feed anything to unconscious individuals.Rinse your mouth with water.Consult a doctor.

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

Acute and delayed acting substances cause significant damage to mucosal tissue, upper respiratory tract, eyes, and skin. Cough, shortness of breath, headache, nausea

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

no data available

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Use water mist, alcohol resistant foam, dry powder or carbon dioxide to extinguish the fire.

#### Unsuitable extinguishing media

no data available

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

Carbon oxides

### 5.3 Advice for firefighters

If necessary, wear a self-contained breathing apparatus to put out the fire.

### 5.4 Further information

no data available

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Do not generate dust during collection and disposal. Sweep and shovel away. Place in a suitable closed container for processing.

### 6.2 Environmental precautions

Do not let the product enter the sewer.

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

Avoid contact with skin and eyes. Avoid the formation of dust and aerosols. Provide suitable exhaust equipment in areas where dust is generated.

### 6.4 Reference to other sections

For disposal see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

no data available

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

Store in a cool place. Keep the container sealed and store in a dry and ventilated place.

### 7.3 Specific end use(s)

Avoid contact with skin, eyes, and clothing. Wash hands immediately before rest and after using this product.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

### 8.2 Exposure controls

#### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### Personal protective equipment

##### Eye/face protection

no data available

##### Skin protection

Gloves must be checked before use. Please use proper methods to remove the gloves (do not touch the outer surface of the gloves), and avoid any skin parts contacting the product. After use, please handle the contaminated gloves carefully according to relevant laws and regulations and effective laboratory rules and procedures. Please clean and blow dry the protective gloves selected for your hands must meet the specifications given in regulation (EU) 2016 / 425 and the en 374 standard derived from it.

##### Body Protection

no data available

##### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a fullface respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

##### Control of environmental exposure

no data available

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|                                                 |                                  |
|-------------------------------------------------|----------------------------------|
| a) Appearance                                   | form: Transparent color: Beige   |
| b) Odour                                        | no data available                |
| c) Odour Threshold                              | no data available                |
| d) pH                                           | no data available                |
| e) Melting point/freezing point                 | 43 - 45 °C (109 - 113 °F) - lit. |
| f) Initial boiling point and boiling range      | 203 °C (397 °F) - lit.           |
| g) Flash point                                  | 86 °C (187 °F) - closed cup      |
| h) Evaporation rate                             | no data available                |
| i) Flammability (solid, gas)                    | no data available                |
| j) Upper/lower flammability or explosive limits | no data available                |
| k) Vapour pressure                              | no data available                |
| l) Vapour density                               | no data available                |
| m) Relative density                             | no data available                |

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|                                           |                                                                                                       |
|-------------------------------------------|-------------------------------------------------------------------------------------------------------|
| n) Water solubility                       | Soluble in aqueous solutions of hot water, alcohol, ether, chloroform, benzene, and sodium hydroxide. |
| o) Partition coefficient: n-octanol/water | no data available                                                                                     |
| p) Auto-ignition temperature              | no data available                                                                                     |
| q) Decomposition temperature              | no data available                                                                                     |
| r) Viscosity                              | no data available                                                                                     |
| s) Explosive properties N                 | no data available                                                                                     |
| t) Oxidizing properties N                 | no data available                                                                                     |

## 9.2 Other safety information

no data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Alkali, acyl chloride, anhydride, oxidant, brass, copper

### 10.2 Chemical stability

Stable under recommended storage conditions

### 10.3 Possibility of hazardous reactions

no data available

### 10.4 Conditions to avoid

Inhalation may be harmful. This substance has strong destructive power on tissues, mucous membranes, and upper respiratory tract

### 10.5 Incompatible materials

Accidental ingestion can lead to poisoning. Causing burns.

### 10.6 Hazardous decomposition products

no data available

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

no data available

#### Skin corrosion/irritation

no data available

#### Serious eye damage/eye irritation

no data available

#### Respiratory or skin sensitisation

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If absorbed by the skin, it can be toxic and cause skin burns.

**Germ cell mutagenicity**

-Mouse skin tumor development: Suspected carcinogenic reagent that meets RTECS standards. Skin and appendages:

Other: Tumors. There are no components in this product with a content greater than or equal to 0.1% identified by IARC as potential or definite human carcinogens.

**Carcinogenicity**

no data available

**Reproductive toxicity**

Registration of toxic effects of chemical substances:ZE6125000

**Specific target organ toxicity - single exposure**

no data available

**Specific target organ toxicity - repeated exposure**

no data available

**Aspiration hazard**

LC50 for fish - Fat headed minnow (black headed soft mouthed minnow) ->27 mg/l 96.0 h EC50 for water fleas and other aquatic invertebrates - Large fleas (water fleas) -11.2 mg/l 48 h

**Additional Information**

no data available

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**SECTION 12: Ecological information****12.1 Toxicity**

no data available

**12.2 Persistence and degradability**

no data available

**12.3 Bioaccumulative potential**

no data available

**12.4 Mobility in soil**

no data available

**12.5 Results of PBT and vPvB assessment**

Toxic to aquatic organisms.

**12.6 Other adverse effects**

no data available

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**SECTION 13:****13.1 Disposal considerations**

Product

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no data available  
**Contaminated packaging**  
 Dispose of as unused product.

**SECTION 14: Transport information**

|                                       |                                            |                              |
|---------------------------------------|--------------------------------------------|------------------------------|
| <b>DOT (US)</b>                       |                                            |                              |
| UN number: 2261                       | Packing group: II                          | Class: 6.1                   |
| Proper shipping name: XYLENOLS, SOLID | Reportable Quantity(RQ): no data available | Poison Inhalation Hazard: no |
| Environmental Hazards: no             |                                            |                              |
| <b>IMDG</b>                           |                                            |                              |
| UN number: 2261                       | Packing group: II                          | EMS-No: no                   |
| Proper shipping name: XYLENOLS, SOLID |                                            |                              |
| <b>IATA</b>                           |                                            |                              |
| UN number: 2261                       | Packing group: II                          | Class: 6.1                   |
| Proper shipping name: XYLENOLS, SOLID |                                            |                              |

**SECTION 15: Regulatory information**

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

**SECTION 16: Other information**

|                         |                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Prepared By</b>      | Regulatory Affairs<br>ALADDIN SCIENTIFIC CORPORATION<br>Email: <a href="mailto:QualityAssurance@aladdinsci.com">QualityAssurance@aladdinsci.com</a> |
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| <b>Revision Date</b>    | 18-Sep-2025                                                                                                                                         |
| <b>Print Date</b>       | 24-Sep-2025                                                                                                                                         |
| <b>Revision Summary</b> | SDS sections updated v1                                                                                                                             |

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