

# Safety Data Sheet



河北广兴化工有限公司  
河北省邢台市新河县堂阳路

Hebei Guangxing Chemical Industry Co.,Ltd.

Tangyang Road,Xinhe County ,Xingtai City, Hebei province , China

## 6-amino-1,3-dimethyluracil

### Section 1 - Chemical Product and Company Identification

#### 1.1 Substance Name:

6-amino-1,3-dimethyluracil

#### Synonyms:

1,3-Dimethyl-6-aminouracil,

6-Amino-1,3-dimethyl-2,4 (1H, 3H)-pyrimidinedione

2,4(1H,3H)-Pyrimidinedione, 6-amino-1,3-dimethyl-

6-Amino-1,3-dimethyl uracil

6-amino-1,3-dimethyluracil

Uracil, 6-amino-1,3-dimethyl-

#### IUPAC NAME:

DMAU

6-amino-1,3-dimethyl-1,2,3,4-tetrahydropyrimidine-2,4-dione

6-amino-1,3-dimethylpyrimidine-2,4(1H,3H)-dione

6-amino-1,3-dimethylpyrimidine-2,4-dione

EC number: 229-662-0

CAS number: 6642-31-5

PRODUCT CODE: 2014011

#### 1.2. Relevant identified uses of the substance and uses advised against

Relevant identified uses: Intermediate for active pharmaceutical ingredients

Plastics industry as an thermal stabilizer

Uses advised against: Plastics industry as an thermal stabilizer

#### 1.3. Details of the Supplier of the Safety Data Sheet

Company Identification:

Hebei Guangxing Chemical Industry Co.,Ltd.

Tangyang Road,Xinhe County ,Xingtai City, Hebei province , China

ZIP CODE: 055650

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SDS No.: 140001

ISSUE DATE: 05 Jan., 2014

REVISED DATE: 16 Feb., 2016

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UPDATA DATE: 16 Jun., 2022

1.4 EMERGENCY: COMPARTY: 0086-0319-4988118

### Section 2 – Hazards Identification

#### 2.1 Classification of the substance

No hazardous product as specified in Directive 67/548/EEC.  
**according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]**

No hazardous product as specified in Directive 67/548/EEC.  
**according to EU Directives 1999/45/EC**

No hazardous product as specified in Directive 67/548/EEC.  
**according to China GB30000.18-2013; China GB30000.20-2013**

#### 2.2 Label elements

NA

### Section 3 - Composition, Information on Ingredients

<u>CHEMICAL NAME</u>	<u>CAS NUMBER</u>	<u>Content</u>
<u>(W/W)</u> 6-amino-1,3-dimethyluracil	6642-31-5	≥98%

### Section 4 - First Aid Measures

#### 4.1 Description of first aid measures

##### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

##### If inhaled

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

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Consult a physician.

### In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

### In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

### If swallowed

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

Consult a physician.

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

NA

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

No data available

## Section 5 - Fire Fighting Measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

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

Use water spray to cool containers.

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

Development of hazardous combustion gases or vapours possible in the event of fire.

### 5.3 Precautions for fire-fighters

Wear self-contained breathing apparatus for fire fighting if necessary.

Corrosive, wear protective clothing to prevent contact with skin and eyes.

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### Section 6 - Accidental Release Measures

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

Use personal protective equipment. Avoid generation of dust ; do not inhale dusts.

Ensure supply of fresh air in enclosed rooms.

#### 6.2 Environmental precautions

Do not allow to enter sewerage system.

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

Take up dry.Forward for disposal. Clean up affected area.Avoid generation of dust.

#### 6.4 Reference to other sections

For disposal see section 13

### Section 7 - Handling and Storage

#### 7.1 Precautions for safe handling

Avoid generation of dust. No further requirements.

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

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

#### 7.3 Specific end use(s)

NA

### Section 8 - Exposure Controls, Personal Protection

#### 8.1 Control parameters

**Exposure Limits:** None established

#### 8.2 Exposure controls

##### 8.2.1 Appropriate engineering controls

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Ensure there is sufficient ventilation of the area.

Handle in accordance with good industrial hygiene and safety practice. Wash hands

before breaks and at the end of workday.

### 8.2.2 Personal protective equipment

Self-contained breathing apparatus must be available in case of emergency

**Hand protection** Impermeable gloves must be worn.

**Eye/face protection** Tightly fitting safety goggles.

### Skin protection

Handle with gloves. Gloves must be inspected prior to use.

**Body Protection** Complete suit protecting against chemicals .

**Respiratory protection:** Breathing protection if dusts are formed. Wear a protective

clothing. Avoid inhalation of dust.

### 8.2.3 Environmental exposure controls:

Avoid the substance into the water.

## Section 9 - Physical and Chemical Properties

### Information on basic physical and chemical properties

<b>Form:</b>	powder	
<b>Odour:</b>	odourless	
<b>Colour:</b>	yellowish	
<b>pH value:</b>	6.5-7.5	( 100 g/l, 20 °C)
<b>melting point(decomposition):</b>	295-310 °C	
<b>Boiling point:</b>	NA	
<b>Vapour pressure:</b>	NA	
<b>Density(20°C):</b>	1.434 kg/m <sup>3</sup>	
<b>Bulk density:</b>	430 kg/m <sup>3</sup>	
<b>Partitioning coefficient</b>		
<b>Solubility in water:</b>	6 g/l	(20°C)
<b>Molecular Formula:</b>	C <sub>6</sub> H <sub>9</sub> N <sub>3</sub> O <sub>2</sub>	
<b>Molecular Weight:</b>	155.14	

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### Section 10 - Stability and Reactivity

#### 10.1 Reactivity

no data available

#### 10.2 Chemical stability

Stable under normal conditions.

#### 10.3 Possibility of hazardous reactions

no data available

#### 10.4 Conditions to avoid

Avoid heat.

#### 10.5 Incompatible materials

No information available.

#### 10.6 Hazardous decomposition products

In the event of fire : see section 5

Other decomposition products - no data available

### Section 11 - Toxicological Information

#### 11.1 Information on toxicological effects

product

**Acute toxicity**

**Oral:**

**LD50(rat):** approx. 5 g/kg bw

**Skin irritation:**

**rabbit:** non-irritant (irritation test)

**Eye irritation :**

**rabbit:** Non-irritating.

**11.2 Additional Information** NA

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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**

**Biodegradation:** < 20%

Slightly biodegradable.

**12.4 Mobility in soil** no data available

**12.5 Results of PBT and vPvB assessment** no data available

**12.6 Other adverse effects**

**Ecotoxic effects:**

Fish toxicity: Br.rerio **LC<sub>50</sub>: (96 h):** approx. 100 mg/l

**Daphnia toxicity: Daphnia magna EC<sub>50</sub> (48 h):** > 100 mg/l

**Further ecologic data:**

No ecological problems are to be expected when the product is handled and with due care and attention.

### Section 13 - Disposal Considerations

**13.1 Product :** Dispose of in accordance with local regulations.

Transfer to a suitable container and arrange for collection by specialist disposal company.

**13.2 Contaminated packaging:** Uncleaned empties should be disposed of in the same manner as the contents.

**Waste disposal of substance:** Do not discharge substance/product into sewer system.

Dispose of in accordance with national, state and local regulations.

### Section 14 - Transport Information

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## 6-amino-1,3-dimethyluracil

Not classified as a dangerous good under transport regulations

14.1 UN-Number

ADR/RID: - IMDG: - IATA: -

14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

14.4 Packaging group

ADR/RID: - IMDG: - IATA: -

14.5 Environmental hazards

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

14.6 Special precautions for users

No data available

14.7 Shipping Description: Non-Regulated

Hazard Class: NA

ID No.: NA

PG: NA

Labels: None

### Section 15 - Regulatory Information

For non-dangerous goods

《 GB 13690 2009 General rule for classification and hazard communication of chemicals》

For non-dangerous goods

《GB 6944 2012 Classification and code of dangerous goods》

For non-dangerous goods



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### Section 16 - Additional Information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide.

THE PRODUCT WHEN USED TOGETHER WITH OTHER SUBSTANCE, THE HARMFULNESS, TOXICITY AND CHEMICAL PROPERTIES VARY, AND DEPEND ON THE MANUFACTURING OR OTHER PROCESSES. THE USER SHOULD MEASURE THE DAMAGE AND INFORM THE OPERATIONS AND PROCESSING PEOPLE.

The next update date: 6<sup>th</sup>, May 2024

