



河南悦土农业科技有限公司

AOWEI AGRICULTURAL TECHNOLOGY CO., LTD.

Address: CBD Business district, No. 27, Zhengdong New District, Zhengzhou, Henan, China

Website: [www.aoweichem.com](http://www.aoweichem.com) / [www.agriplantgrowth.com](http://www.agriplantgrowth.com) Email: [admin@aoweichem.com](mailto:admin@aoweichem.com)

Tel: 0086-15324840068 Fax : 0086-371-63229

## Material Safety Data Sheet

### 6-Benzylaminopurine 99%

#### Section 1 –Chemical product and company Identification

**MSDS Name:** 6-Benzylaminopurine,99%

**Synonyms:**6-(N-benzyl)aminopurine,6-BAP;6-BA

**Company Identification:**

Aowei Agricultural Technology Co.,Ltd.

Add: No.27, CBD Business Inner Ring Road,Zhengdong New District,Zhengzhou,Henan,China

Tel: 0086-371-63229261 / 0086-15324840068/ Fax : 0086-371-63229216

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#### Section 2-Compostion, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
1214-39-7	6-Benzylaminopurine	99%	214-927-5

#### Section 3 –Hazards Identification

##### EMERGENCY OVERVIEW

**Appearance:** white to pale yellow powder

**Warning!** Causes eye, skin, and respiratory tract irritation. May be harmful if swallowed

**Target Organs:** Respiratory system, eyes, skin.

##### Potential Health Effects

**Eye:** products irritation, characterized by a burning sensation, redness, tearing, inflammation, and possible corneal injury. Lachrymator (substance which increases the flow of tears).

**Skin:** May cause mild skin irritation.

**Ingestion :** may cause irritation of the digestive tract.



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**Inhalation:** may cause respiratory tract irritation.

**Chronic:** No information found.

#### Section 4 – First Aid Measures

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately. Do NOT allow victim to rub eyes or keep eyes closed.

**Skin:** Get medical aid . Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

**Ingestion:** Never give anything by mouth to an unconscious person. Get medical aid immediately. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

**Inhalation:** Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen, get medical aid, Do NOT use mouth-to-mouth resuscitation. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask.

**Notes to physician:** Treat symptomatically and supportively.

#### Section 5 – Fire Fighting Measures

**General information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear, During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

**Extinguishing media:** In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

**Flash point:** Not applicable.

**Autoignition:** temperature: Not applicable.

**Explosion limits, Lower :**Not available.

**Upper:** Not available.

**NFPA Rating:**(estimated) Health:2;Flammability: 0;Instability: 0

#### Section 6- Accidental Release Measures

**General Information:** Use proper personal protective equipment as indicated in section 8.

**Spills/Leaks:** Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the protective equipment section. Avoid generating dusty conditions. Provide ventilation.



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## Section 7- Handling and Storage

**Handling:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

**Storage:** Store in a cool, dry place. Keep container closed when not in use.

## Section 8 – Exposure Controls, Personal Protection

**Engineering Controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

### Exposure Limits

Chemical name	ACGIH	NIOSH	OSHA-Final PELs
6-Benzylaminopurine	None listed	None listed	None listed

**OSHA Vacated PELs:** 6-Benzylaminopurine: No OSHA Vacated PELs are listed for this chemical .

### Personal Protective Equipment

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:** Wear appropriate protective gloves and clothing to skin exposure.

**Clothing:** Wear appropriate protective clothing to minimize contact with skin.

**Respirators:** Follow the OSHA respirator regulations found in 29 CFR1910.134 or European Standard EN 149. Use a NIOSH /MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

## Section 9- Physical and Chemical Properties

**Physical State:** crystal powder

**Appearance:** off white

**Odor:** none reported.

**PH:** Not available.

**Vapor pressure:** Not available.

**Vapor density:** Not available.



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**Evaporation rate:** Not available.

**Viscosity:** Not available.

**Boiling point:** Not available.

**Freezing/Melting Point:** 226-235 deg C

**Decomposition Temperature:** Not available.

**Solubility:** Not available.

**Specific Gravity/Density:** Not available.

**Molecular Formula:** C<sub>12</sub>H<sub>11</sub>N<sub>5</sub>

**Molecular Weight:** 225.25

## Section 10 – Stability and Reactivity

**Chemical stability:** Stable under normal temperatures and pressures.

**Conditions to Avoid:** Incompatible materials, dust generation, strong, Oxidants, heat.

**Incompatibilities with other materials:** Oxidizing materials.

**Hazardous decomposition products:** Nitrogen oxides, carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.

**Hazardous Polymerization:** Has not been reported.

## Section 11 – Toxicological Information

**RTECS#:**

CAS#1214-39-7:AU6252200

**LD50/LC50:**

CAS#1214-39-7:

Inhalation, rat: lc50=5.2gm/m<sup>3</sup>;

Oral, mouse: ld50=1300mg/kg

Oral, rat: LD50=2125mg/kg

Oral, rat: LD50=1.3gm/kg

Skin, rabbit: LD50=5gm/kg;<BR.

**Carcinogenicity:**

CAS#1214-39-7: Not listed by ACGIH, IARC, NTP, or CA Prop 65.



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**Epidemiology:** Not information found.

**Teratogenicity:** Not information found.

**Reproductive effects:** Not information found.

**Mutagenicity:** Not information found.

**Neurotoxicity:** Not information found.

**Other Studies:**

## Section 12 – Ecological Information

Not information available.

## Section 13 – Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification .

**RCRA P-Series:** None listed.

**RCRA U-Series:** None listed.

## Section 14- transport Information

	US DOT	Canada TDG
<b>Shipping Name:</b>	Not regulated as a hazardous material	No information available
<b>Hazard Class:</b>		
<b>UN Number:</b>		
<b>Packing Group:</b>		

## Section 15-Regulatory Information

**US FEDERAL**

**TSCA**

CAS#1214-39-7 is listed on the TSCA inventory.



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#### **Health & Safety Reporting List**

None of the chemical are on the Health & Safety Reporting List .

#### **Chemical Test Rules**

None of the chemicals in this product are under a Chemical Test Rules

#### **Section 12b**

None of the chemicals are listed under TSCA section 12b.

#### **TSCA Significant New Use Rule**

None of the chemicals in this material have a SNUR under TSCA.

#### **CERCLA Hazardous Substances and corresponding RQs**

None of the chemicals in this material have an RQ.

#### **SARA Section 302 Extremely Hazardous Substances**

None of the chemicals in this product have an TPQ.

#### **Section 313 No chemical are reportable under Section 313.**

#### **Clean Air Act:**

This material does not contain any hazardous air pollutants.

This material does not contain any class 1 ozone depletors.

This material does not contain any class 2 ozone depletors.

#### **Clean Water Act:**

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

#### **OSHA:**

None of the chemicals in this product are considered highly hazardous by OSHA.

#### **STATE:**

CAS#1214-39-7 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

#### **California Prop 65**

California No Significant Risk Level: None of the chemicals in this product are listed.

#### **European /International Regulations**

#### **European Labeling in Accordance with EC Directives**

#### **Hazard Symbols:**

XN



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**Risk Phrases:**

R 22 Harmful if swallowed.

**Safety Phrases:**

**WGK (WATER DANGER /PROTECTION)**

CAS#1214-39-7:1

**Canada – DSL/MDSL**

CAS#1214-39-7 Is listed on canada's DSL List'

**Canada – WHMIS**

This product has a WHMIS classification of D2B.

**Canadian Ingredient Disclosure List**

**Section 16 - Additional Information**

MSDS Creation Date :21/03/2019

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall AOWEI Agricultural Technology Co.,Ltd. be liable for any claims, losses, or damages of third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if AOWEI Agricultural Technology Co.,Ltd. has been advised of the possibility of such damages.*