

SAFETY DATA SHEET

According to EC Directive 91/155/EEC

(Catalogue No. BAP-101)

Technical Grade

Product name: 6-Benzylaminopurine



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Revision Date 10.04.2018 Version 1.0

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1-1 Product identifier

Catalogue No. BAP-101

Product name 6-Benzylaminopurine (6-BAP) Technical Grade

1-2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses Chemical for Production
For additional information on uses please refer to the
Xyten Chemicals webpage (www.xyten.com)

1-3 Details of the supplier of the safety data sheet

Company Xyten Ltd 111 Newton Rd, Eden Terrace, Auckland 1010

New Zealand

Phone: 09 363 2004

e-mail: info@xyten.com

1-4 Emergency telephone Please contact emergency services in your country.

SECTION 2. Hazards identification

2.1 Classification of the substance or mixture

Acute aquatic toxicity (Category 3), H402

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

Acute aquatic toxicity (Category 3),
H402

SECTION 3. Composition/information on ingredients

Formula $C_{12}H_{11}N_5$ (Hill)

CAS-No. 1214-39-7

Molar mass 225.26 g·mol⁻¹

SECTION 4. First aid measures

4.1 Description of first aid measures

4.1 General advice

Consult a physician if symptoms are severe or persistent. Provide this data sheet



to medical personnel. *If* product is spilled or leaked, evacuate area.

In case of inhalation

if inhaled, move person *to* fresh air and monitor breathing.

if not breathing, give artificial ventilation. Consult *a* physician *if* symptoms are severe or persistent.

In case of skin contact

Immediately *wash* with *excess* soap and *water*.

if spilled on clothing, remove *all* affected clothing. Consult *a* physician *if* symptoms are severe or persistent.

In case of eye contact

Flush *eyes* with *water* or *eye* wash solution as *a* precaution for 15 minutes.

Consult *a* physician *if* symptoms are severe or persistent.

In case of ingestion

Only induce vomiting *if* recommended by medical personnel. *if* subject is unconscious, do not give anything by mouth. *if* conscious, rinse mouth *with water*. Consult *a* physician *if* symptoms are severe or persistent.

SECTION 5. Fire-fighting measures**5.1 Extinguishing method**

Suitable extinguishing product

Water, Carbon dioxide (CO₂), Dry powder, Foam

Unsuitable extinguishing product

For this substance/mixture no limitations of extinguishing agents are given.

5.2 Special hazards arising from the substance or mixture

Combustible material, Development of hazardous combustion gases or vapors possible in the event of fire.

5.3 Advice for firefighters

Special protective equipment for fire-fighters

In the event of fire, wear self-contained breathing apparatus.

Further information

Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6. Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Provide suitable ventilation. Use any necessary personal protective equipment.

Avoid contact *with* skin and *eyes*, and avoid creation and inhalation of vapor or dust. Keep *all* unnecessary personnel *away*.

For personal protection see section 8

6.2 Environmental precautions

Prevent product from entering public *sewers* and *waterways*.

6.3 Methods and material for containment and cleaning up

Use inert absorbent material *to* absorb any spilled or leaked product. Keep *in*

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suitable, closed containers for disposal.

SECTION 7. Handling and storage

7.1 Precautions for safe handling

Observe label precautions.

7.2 Conditions for safe storage, including any incompatibilities

Tightly closed. Dry.

Store at +15°C to +20°C.

7.3 Specific end uses

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8. Exposure controls/personal protection

8.1 Control parameters

8.2 Exposure controls

Engineering measures

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.

See section 7.1.

Individual protection measures

Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the respective supplier.

Hygiene measures

Change contaminated clothing. Wash hands after working with substance.

Eye/face protection Safety glasses

Hand protection

Respiratory protection

Required when dusts are generated.

Recommended Filter type: Filter P 1 for solid particles of inert substances The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

Environmental exposure controls

Do not empty into drains.

**SECTION 9. Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Form	Solid Powder
Color	white
Odor	Odorless
Odor	Threshold No information available.
pH	No information available.
Melting point	230-233 °C (446-451 °F)
Boiling point	No information available.
Flash point	No information available.
Evaporation rate	No information available.
Flammability (solid, gas)	No information available.
Lower explosion limit	No information available.
Upper explosion limit	No information available.
Vapour pressure	No information available.
Relative vapour density	No information available.
Solubility(ies) Solvent:	Insoluble in most common organic solvents; Soluble in dimethylformamide, dimethyl sulfoxide
Auto ignition temperature	No information available.
Viscosity, dynamic	No information available.
Explosive properties	No information available.
Oxidizing properties	No information available.

9.2 Other data**None****SECTION 10. Stability and reactivity****10.1 Reactivity**

The following applies in general to flammable organic substances and preparations: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.

10.2 Chemical stability

The product is chemically stable under standard ambient conditions (room temperature) .

10.3 Possibility of hazardous reactions

no information available

10.4 Conditions to avoid

no information available

10.5 Incompatible materials

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no information available

10.6 Hazardous decomposition products

no information available

SECTION 11. Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity

LD50 rat: Mouse - > 5,000 mg/kg

LC50 Inhalation : No toxicity data available.

Genotoxicity in vitro Ames test

Salmonella typhimurium

Result: negative

(National Toxicology Program)

Specific target organ toxicity - single exposure

The substance or mixture is not classified as specific target organ toxicant, single exposure.

Specific target organ toxicity - repeated exposure

The substance or mixture is not classified as specific target organ toxicant,

repeated exposure. *Aspiration hazard*

Based on available data the classification criteria are not met.

11.2 Further information

Hazardous properties cannot be excluded but are unlikely when the product is handled appropriately.

Further data:

Substances which occur in nature

Handle in accordance with good industrial hygiene and safety practice.

SECTION 12. Ecological information

12.1 Toxicity

No information available.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water

log Pow: 0,24 (experimental)

Bioaccumulation is not expected. (Lit.)

12.4 Mobility in soil

No information available.

Additional ecological information

Discharge into the environment must be avoided.

SECTION 13. Disposal considerations

Waste treatment methods

Call www.xyten.com for processes regarding the return of chemicals and

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containers, or contact us there if you have further questions.

SECTION 14. Transport information

Not classified as dangerous in the meaning of transport regulations.

SECTION 15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Major Accident Hazard 96/82/EC

Legislation Directive 96/82/EC does not apply

Storage class 10 - 13

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

The Safety Data Sheets for catalogue items are available at www.xyten.com

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SECTION 16. Other Information Training advice

Provide adequate information, instruction and training for operators.

Key or legend to abbreviations and acronyms used in the safety data sheet

Used abbreviations and acronyms can be looked up at www.wikipedia.org.

Regional representation

This information is given on the authorized Safety Data Sheet for your country.

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of any properties of the product.