

MATERIAL SAFETY DATA SHEET
5-AMINOURACIL 98%

Section 1 - Chemical Product and Company Identification

MSDS Name: 5-AMINOURACIL 98%
Catalog Numbers: 10.38
Synonyms: 5-Amino-2,4-pyrimidinediol
 5-Amino-2,4-dihydroxypyrimidine
Company Identification: Tau-Chem, Ltd.
 Nobelova 34, P.O. Box 29
 836 05 Bratislava, Slovak Republic
 Phone: +421 2 44 452 252 Fax: +421 2 44 457 645

Relevant identified uses of substance or mixture and uses advised against

Identified uses Laboratory chemicals, Manufacture of substances

POISON CENTER: National Toxicological Information Centre
 Limbová 5, 833 05 Bratislava,

Emergency Numbers Slovakia: Phone: +421 2 54 774 166 Fax: +421 2 54 774 605

Section 2 - Hazards Identification

Classification of the substance or mixture

According to Regulation (EC) No 1272/2008
 Acute toxicity, Oral (Category 4)

According to European Directive 67/548/EEC as amended.

This substance is not classified as dangerous according to Directive 67/548/EEC.

Label elements

Pictogram



Hazard statement (s)

H302 Harmful if swallowed.

Precautionary statement(s)

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

R-phrases(s)

R22 Harmful if swallowed.

Hazard symbol(s)

According to European Directive 67/548/EEC as amended

Xn



S-phrases(s)

S24/25

Avoid contact with skin and eyes.

Other hazards

None.

Section 3 – Composition, Information on Ingredients

| CAS# | Chemical Name: | % | EINECS# |
|-----------------------|--|----------|----------------|
| 932-52-5 | 5-AMINOURACIL | 98 | 213-252-3 |
| Classification | Acute Tox. 4 H 302 R22 This substance is not classified as dangerous according to Directive 67/548/EEC. | | |

For the full text of the H-Statements mentioned in this Section, see Section 16.

Section 4 – 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. Consult a physician. |
| In case of skin contact: | Wash off with soap and plenty of water. Consult a physician. |
| In case 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. |

Section 5 – Fire Fighting Measures

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| Suitable extinguishing media: | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| Special protective equipment for fire-fighters: | Wear self contained apparatus breathing apparatus for fire fighting if necessary. |

Section 6 – Accidental Release Measures

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| Personal precautions: | Use personal protective equipment. Avoid breathing of dust. Ensure adequate ventilation. |
| Environmental precautions: | Do not let product enter drains. |
| Methods and materials for containment and cleaning up: | Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal. |

Section 7 – Handling and Storage

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| Precautions for safe | Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation |
|-----------------------------|---|

handling: at places where dust is formed. Normal measures for preventive fire protection.

Conditions for safe storage: Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Store under inert gas. Air sensitive.

Section 8 – Exposure Controls, Personal Protection

Personal protective equipment:

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face 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).

Hand protection The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Handle with gloves.

Eye protection: Safety glasses with side-shields conforming to EN 166. Use equipment for eye protection tested and approved under appropriate government standards as NIOSH (US) or EN 166 (EU)

Skin and body protection: Impervious body protection according to the amount and concentration of the dangerous substance at the work place.

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

Section 9 – Physical and Chemical Properties

Appearance

Form: Solid
 Colour: beige

Safety data:

pH Not available
Melting Point: > 300 °C - lit.
Boling Point: Not available
Flash Point: Not available
Ignition temperature: Not available
Optical activity: Not available
Solubility in water: Not available
Partition coefficient: Not available
n-octanol / water
Specific density: Not available
Refractive Index: Not available
Molecular Formula: C₄H₅N₃O₂
Molecular Weight: 127.10 g/mol

Section 10 – Stability and Reactivity

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| Chemical Stability: | Stable under recommended storage conditions. |
| Materials to avoid: | Air, Strong oxidizing agents. |
| Hazardous Decomposition Products | Hazardous decomposition products under fire conditions. – Carbon oxides, Nitrogen oxides. |

Section 11 – Toxicological Information

| | |
|--|---------------------------------|
| Acute toxicity | LD50 Oral - mouse - 1.000 mg/kg |
| Skin corrosion/irritation | No data available |
| Serious eye damage/eye irritation | No data available |
| Respiratory or skin sensitization | No data available |
| Germ cell mutagenicity | No data available |

Carcinogenicity:

IARC: No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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|---|---|
| Reproductive toxicity: | No data available |
| Specific target organ toxicity – single exposure | Inhalation – May cause respiratory irritation. |
| Specific target organ toxicity – repeated exposure | No data available |
| Aspiration hazard | No data available |
| Potential health effect: | |
| Inhalation | May be harmful if inhaled. May cause respiratory tract irritation. |
| Ingestion | Harmful if swallowed. |
| Skin | May be harmful if absorbed through skin. May cause skin irritation. |
| Eyes | May cause eye irritation. |

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

Additional Information

RTECS: YQ8740000

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 |
| PBT and vPvB assessment | No data available |
| Other adverse effects | No data available |

Section 13 - Disposal Considerations

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|----------------|---|
| Product | Offer surplus and non-recyclable solutions to a licensed disposal |
|----------------|---|

company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging Dispose of as unused product.

Section 14 - Transport Information

| | IATA | IMDG | RID/ADR |
|-----------------------|---------------------|---------------------|---------------------|
| Shipping Name: | Not dangerous goods | Not dangerous goods | Not dangerous goods |
| Hazard Class: | | | |
| UN Number: | | | |
| Packing Group: | | | |

Section 15 – Regulatory Information

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

Section 16 - Other Information

Text of H-code(s) and R-phrase(s) mentioned in Section 3

| | |
|------------|-----------------------|
| Acute Tox. | Acute toxicity. |
| H302 | Harmful if swallowed. |
| R22 | Harmful if swallowed. |
| Xn | Harmful |

MSDS Creation Date: 23/2/2007

Revision #1:20/06/2011

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

Disclaimer:

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 the properties of the product. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.