

Uracil**DOC0(212-214)****SECTION 1 Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Identification of the product : Raw material
Product code : DOC0(212-214)
Trade name : Uracil
CAS number : 000066-22-8
EC-No : 200-621-9
Formula : C₄H₄N₂O₂
Synonyms : 2,4-Dihydroxypyrimidine
2,4-Pyrimidinediol
2,4(1*H*,3*H*)-Pyrimidinedione

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

1.2.1 Relevant identified uses : For research purposes only

1.2.2 Uses advised against No additional information available

1.3. Details of the supplier of the safety data sheet

Company identification : Formedium Ltd.
King's Lynn, England, PE31 6DJ
Tel: +44(0)1485 609069
Web: www.Formedium.com
E-mail: info@formedium.com

1.4. Emergency telephone number

Emergency telephone number : Tel: +44(0)1485 609069 (local time : 9.00 to 17.00)
NHS Direct 111 (UK, 24 hours), 112 (EU, 24 Hours)

SECTION 2 Hazards identification**2.1. Classification of the substance or mixture**

:

Classification according to Regulation (EC) 1272/2008

Not regulated

2.2. Label elements**Labelling according to Regulation (EC) No. 1272/2008**

Hazards pictograms code : None
Precautionary statements : None

2.3 Other hazards

None under normal conditions.

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Uracil**DOC0(212-214)****SECTION 3 Composition/information on ingredients****3.1 Substance / Preparation**

Molecular weight g/mol : 112.09
Structural formula: : C₄H₄N₂O₂

Substance name:	Contents	CAS No:	EC No:	Annex No:	Ref REACH	Classification
Uracil	> 99 %	66-22-8	200-621-9	--	--	--

SECTION 4 First aid measures**4.1. Description of first aid measures****General information**

Inhalation : If breathed in, move person into fresh air. If not breathing, give artificial respiration.
Skin contact : : Wash off with soap and plenty of water.
Eye contact : Flush eyes with water as a precaution.
Ingestion : Never give anything by mouth to an unconscious person. Rinse mouth with water.

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

Symptoms and effects, both acute and delayed. : No data available

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

Medical attention and special treatment needed. : No data available.

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

Suitable extinguishing media : Alcohol-resistant foam, Water spray, Carbon dioxide (CO₂) or Dry powder.

5.2. Special hazards arising from the substance or mixture

Under fire conditions, hazardous fumes will be present. CO_x, NO_x

5.3. Advice for firefighters

Protection against fire : Wear self-contained breathing apparatus for firefighting if necessary.

Uracil**DOC0(212-214)****SECTION 6 Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

General precautions : Avoid dust formation. Avoid breathing vapours, mist or gas.

Personal precautions : Wear suitable protective clothing.

6.2. Environmental precautions

No special environmental precautions required.

6.3. Methods and material for containment and cleaning up

Sweep up dry powder and keep in suitable, closed containers for disposal.

6.4. Reference to other sections

For disposal see section 13.

SECTION 7 Handling and storage**7.1. Precautions for safe handling**

Provide appropriate exhaust ventilation at places where dust is formed.

7.2. Conditions for safe storage, including any incompatibilities

Storage class (TRGS 510): Non Combustible Solids.

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

7.3. Specific end use(s)

For research purposes only

SECTION 8 Exposure controls/personal protection**8.1. Control parameters****Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

8.2. Exposure controls

- **Eye protection** : Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).
- **Skin protection** : Handle with gloves that meet standard EN 374. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
- **Respiratory protection** : Where excessive dust may result, wear approved mask. N95 (US) or type P1 (EN 143) dust masks.

SECTION 9 Physical and chemical properties

- **Appearance**

Appearance : Powder.

Colour : Beige

- **Odour**

Odour : No data available.

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SECTION 9 Physical and chemical properties (continued)

- Odour threshold
Odour threshold : Not data available.
- pH
pH value : No data available.
- Melting point / Freezing point
Melting point (°C) : > 300
- Initial boiling point – boiling range
Boiling point (°C) : No data available.
- Flash point
Flash point (°C) : No data available.
- Evaporation rate
Evaporation rate (ether =1) : No data available.
- Flammability
Flammability range (vol % in air) : No data available.
- Explosion limits (lower – upper)
Explosion limits : No data available.
- Vapour pressure
Vapour pressure : Not established.
- Vapour density
Relative vapour density (air=1) : No data available.
- Relative density
Relative Density : No data available.
- Solubility
Solubility in water : No data available.
- Partition coefficient : n-octanol / water
Log P octanol / water at 20°C : Not established.
- Auto-ignition temperature
Auto-ignition temperature (°C) : No data available
- Thermal decomposition
Thermal decomposition (°C) : No data available.
- Viscosity
Viscosity : No data available.
- Explosive properties
Explosive properties : Not established.
- Oxidising properties
Oxidising properties : Not established.

9.2 Other information : No data available.

Uracil**DOC0(212-214)****SECTION 10 Stability and reactivity****10.1. Reactivity**

No data available.

10.2. Chemical stability**Stability**

: Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

None under normal conditions.

10.4. Conditions to avoid**Conditions to avoid**

: No data available.

10.5. Incompatible materials**Material to avoid.**

: Strong oxidizing agents.

10.6. Hazardous decomposition products**Hazardous decomposition products**

: No data available.

SECTION 11 Toxicological information**11.1. Information on toxicological effects****- Inhalation**

: No data available.

- Dermal

: No data available.

- Other

: See actual entry in RTECS for complete information. YQ8650000

Rat oral LD50 (mg/Kg)

: > 6000

11.2. Additional Information**Endocrine disrupting properties :**

The Substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 12 Ecological information**12.1. Toxicity**

No data available.

12.2. Persistence - 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

No data available.

12.6. Other adverse effects

No data available.

12.7. Endocrine disrupting properties

The Substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Uracil**DOC0(212-214)****SECTION 13 Disposal considerations****13.1. Waste treatment methods****Product** Offer surplus and non recyclable solutions to a licensed disposal company.**Contaminated packaging** Dispose of as unused product.**SECTION 14 Transport information****14.1. UN Number**

Not applicable.

General information : Not classified as dangerous in the meaning of transport regulations.**14.2. UN Proper shipping name**

Not applicable.

14.3. Transport Hazard Class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Not applicable.

14.6. Special precautions for user

Not applicable

SECTION 15 Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

This safety datasheet complies with the requirements of Regulation (EU) No. 2015/830.

15.2. Chemical Safety Assessment

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

SECTION 16 Other information**Further 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 information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Formedium Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product.

Revision

: Complete SDS revision

End of document