

# SAFETY DATA SHEET

according to EC Directive 2001/58/EC

Print Date: 04/06/2008

Revision number: 1

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## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Identification of the substance or preparation:  
**Product code:** M1405  
**Product name:** 5-Methyluridine  
**Chemical Formula:** C<sub>12</sub>H<sub>14</sub>N<sub>2</sub>O<sub>5</sub>

Use of the Substance/Preparation:  
**Recommended use:** No information available.

Company/undertaking identification: TCI EUROPE NV  
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 Haven 1063  
 B-2070 Zwijndrecht  
 Telephone: +32(0)3.735.07.00

Emergency telephone number:  
 +32(0)70 245 245

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature of the preparation

Component(s):	CAS Number:	Percent:	EC-No:
5-Methyluridine	1463-10-1	>98%(T)	215-973-9

**Classification:** none  
**R-phrases:** none

For the full text of the R phrases mentioned in this Section, see Section 16

## 3. HAZARDS IDENTIFICATION

Most important hazards:  
 No specific information is available on this chemical. However, exposure to any chemical should be kept to a minimum

Potential health effects:

## 4. FIRST AID MEASURES

**Eye contact:** Check for and remove any contact lenses. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician

**Skin contact:** Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If the appearance of the exposed skin has changed or pain persists, medical treatment should be arranged. Wash contaminated clothing before re-use.

**Inhalation:** Move to fresh air. In case of shortness of breath, give oxygen. If not breathing, give artificial respiration. Call a physician immediately.

**Ingestion:** Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician immediately.

**Notes to physician:** Treat symptomatically

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:** Use dry chemical, CO<sub>2</sub>, water spray or "alcohol" foam

**Special protective equipment for firefighters:** Wear personal protective equipment.

**Specific methods:** Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. Immediately remove all sources of combustion. Measures should be taken to contain the water-discharge for fire-fighting lest those substances which affect the environment should leak.

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## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Use personal protective equipment. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc.. Fire-extinguishing devices should be prepared in case of a fire..

**Environmental precautions:** Do not let product enter drains

**Methods for cleaning up:** Sweep up and shovel into suitable containers for disposal.. Consult federal, state, and/or local authorities for assistance on disposal.

## 7. HANDLING AND STORAGE

**Handling:** Keep away from heat and sources of ignition. Provide sufficient air exchange and/or exhaust in work rooms. wear personal protective equipment. Do not breathe dust. Wash hands and face before breaks and immediately after handling the product.

**Safe handling advice:** Handle with caution and minimize exposure

**Storage:** Keep container tightly closed. Store in a cool and shaded area. Keep away from heat.

**Materials to avoid:** oxidising agents

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering measures:** Use only in area provided with appropriate exhaust ventilation. A facility for washing eyes and body should be installed near the place it is handled.

Exposure limit values

Exposure controls

Occupational exposure controls

**Respiratory protection:** Dust respirator.

**Hand protection:** gloves

**Eye/face protection:** safety glasses

**Skin and body protection:** Lab coat, boots. Suggested protective clothing might not be sufficient; consult a specialist before handling this product. .

**Hygiene measures:** When using, do not eat, drink or smoke

Environmental exposure controls  
 no data available

## 9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

**Component(s):** 5-Methyluridine  
**Molecular Weight:** 258.23  
**Appearance:** Crystalline powder  
**Colour:** white  
**Form:** solid

Important Health Safety and Environmental Information:

**Melting Point:** 183 °C  
**Explosive properties:**  
**Solubility:** Soluble in : Water

Other information

## 10. STABILITY AND REACTIVITY

**Chemical stability:** Stable under recommended storage conditions.  
**Conditions to avoid:** No information available  
**Materials to avoid:** oxidising agents  
**Hazardous Decomposition Products:** Carbon monoxide Carbon dioxide Nitrogen oxides (NOx)

## 11. TOXICOLOGICAL INFORMATION

**RTECS Number:** No data available

Toxicity information

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Acute exposure

**Skin irritation:** Contact with skin may cause irritation  
**Eye irritation:** Contact with eyes may cause irritation  
**Inhalation:** Inhalation of the product may cause irritation of the respiratory system  
**Ingestion:** Health injuries are not known or expected under normal use

Chronic exposure

Information given is based on data on the components and the toxicology of similar products

## 12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Component information

5-Methyluridine - 1463-10-1  
**Mobility:** No information available  
**Persistence and degradability:** No information available  
**Other adverse effects:** No information available

## 13. DISPOSAL CONSIDERATIONS

**Waste from residues / unused products:** Consult your local or regional authorities. In accordance with local and national regulations.

**Contaminated packaging:** The contents should be removed completely prior to the disposal of an empty vessel. Do not re-use empty containers

## 14. TRANSPORT INFORMATION

**UN-No:** not regulated

ADR/RID

**Hazards Class:** Does not correspond to the classification standard of the United Nations

IMO:

**Hazards Class:** Does not correspond to the classification standard of the United Nations

ICAO/IATA

**Hazards Class:** Does not correspond to the classification standard of the United Nations

## 15. REGULATORY INFORMATION

In accordance with local and national regulations

International Inventories

Component(s):	EC-No:
5-Methyluridine - (1463-10-1)	215-973-9

## 16. OTHER INFORMATION

**R-phrases(s)** **The health risks of this compound have not been fully investigated or determined. Exposure may cause irritation of the skin, eyes or respiratory system. Keep away from heat and sources of ignition. When not in use, tightly seal the container and store in a dry, cool place. Avoid excessive heat and light. Always store away from incompatible compounds.**

**Literary reference:** No information available  
**Prepared By:** TCI Europe  
**Issue date:** 04/06/2008

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TCI laboratory chemicals are for research purposes only and are NOT intended for use as drugs, food additives, households, or pesticides. The information herein is believed to be correct, but does not claim to be all inclusive and should be used only as a guide. Neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All chemical reagents should be handled only by individuals who are familiar with their potential hazards and who have been fully trained in proper safety, laboratory, and chemical handling procedures. Although certain hazards are described herein, we can not guarantee that these are the only hazards which exist. Our MSDS sheets are based only on data available at the time of shipping and are subject to change without notice as new information is obtained. Avoid long storage periods since the product is subject to degradation with age and may become more dangerous or hazardous. It is the responsibility of the user to request updated MSDS sheets for products that are stored for extended periods. Disposal of unused product must be undertaken by qualified personnel who are knowledgeable in all applicable regulations and follow all pertinent safety precautions including the use of appropriate protective equipment (e.g. protective goggles, protective clothing, breathing equipment, facial mask, fume hood). For proper handling and disposal, always comply with federal, state, and local regulations.

End of Safety Data Sheet

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