

Material Safety Data Sheet

according to ANSI Z400.1-2004

IUdR

Print date: 11.04.2013

Product code: 2949

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**Product identifier**

IUdR

Further trade names

Uridine, 2'-deoxy-5-iodo-

Synonyms:

1-(2-Deoxy-β-D-ribofuranosyl)-5-iodouracil; 2'-Deoxy-5-iodouridine; 5-Iodo-2'-deoxyuridine;
5-Iodo-2'-desoxyuridine; (+)-5-Iodo-2'-deoxyuridine; 5-Iododeoxyuridine; 5-Iodouracil deoxyriboside;
5IUdR; 1-(4-Hydroxy-5-hydroxymethyl-tetrahydro-furan-2-yl)-5-iodo-1H-pyrimidine-2,4-dione;
Idoxuridine; IDU; Dendrid; Emanil;

Chemical characterization (substance)

Uridine, 2'-deoxy-5-iodo-

CAS No: 54-42-2

Details of the supplier of the safety data sheet

Company name: ABX advanced biochemical compounds
Biomedizinische Forschungsreagenzien GmbH
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Place: D-01454 Radeberg
Telephone: +49 3528 4041 60 Telefax: +49 3528 4041 65
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Emergency telephone: +49 3528 4041 60**SECTION 2: Hazards identification****Route(s) of Entry****Signs and Symptoms of Exposure**

Carcinogenicity (NTP):

Carcinogenicity (IARC):

Carcinogenicity (OSHA):

SECTION 3: Composition/information on ingredients**Substances**Sum formula: C₉H₁₁IN₂O₅

Molecular weight: 354.1

Hazardous components

CAS No	Components	Quantity
54-42-2	Uridine, 2'-deoxy-5-iodo-	95 - 100 %

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SECTION 4: First aid measures

Description of first aid measures

SECTION 5: Firefighting measures

Extinguishing media

SECTION 6: Accidental release measures

SECTION 7: Handling and storage

Precautions for safe handling

Conditions for safe storage, including any incompatibilities

Further information on storage conditions

2
8

SECTION 8: Exposure controls/personal protection

Control parameters

Exposure controls

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state:

Color:

Test method

Changes in the physical state

Melting point:

ca. 190 °C

SECTION 10: Stability and reactivity

Stability:

Stable

Possibility of Hazardous Reactions:

Will not occur

SECTION 11: Toxicological information

Information on toxicological effects

SECTION 12: Ecological information

SECTION 13: Disposal considerations

Waste treatment methods

SECTION 14: Transport information

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SECTION 15: Regulatory information

U.S. Regulations

SECTION 16: Other information

Hazardous Materials Information Label (HMIS)

Health:	2
Flammability:	1
Physical Hazard:	1
Personal Protection:	F

NFPA Hazard Ratings

Health:	2
Flammability:	1
Reactivity:	
Unique Hazard:	

