Page 1 of 4

# **Material Safety Data Sheet**

according to ANSI Z400.1-2004

**FMAU** Product code: 2878

Print date: 09.08.2012	Product code: 2878
SECTION 1: Identification of the	substance/mixture and of the company/undertaking
Product Identifier	
FMAU	
Further trade names	
	SECTION 1: Identification of the s Product identifier FMAU

2,4(1H,3H)-Pyrimidinedione, 1-[2-deoxy-2-fluoro-ß-D-arabinofuranosyl]-5-methyl-

Synonyms:

1-(2-Fluoro-2-deoxy-&-D-arabinofuranosyl)thymine; 1-(2-Deoxy-2-fluoro-&-D-arabinofuranosyl) -5-methyl-2,4(1H,3H)-pyrimidinedione; 1-(2-Deoxy-2-fluoro-ß-D-arabinofuranosyl)-5-methyluracil; 2'-Fluoro-5-methyl-arabinosyluracil; 2'-Fluoro-5-methyl-ß-D-arabinofuranosyluracil; 1-[(2R,3S,4R,5R) -3-Fluoro-4-hydroxy-5-(hydroxymethyl)oxolan-2-yl]-5-methylpyrimidine-2,4-dione; 5-Methyl-1-[(2R,3S,4R,5R)-3-fluoro-4-hydroxy-5-(hydroxymethyl)oxolan-2-yl]pyrimidine-2,4-dione; 5-Methyl-1-(2-fluoro-2-deoxy-ß-D-arabinofuranosyl)uracil; 1-(2-Deoxy-2-fluoro-ß-D-arabinofuranosyl) -5-methyl-2,4(1H,3H)-pyrimidinedione; FMAU; &-FMAU; &-D-FMAU

### Chemical characterization (substance)

2,4(1H,3H)-Pyrimidinedione, 1-[2-deoxy-2-fluoro-ß-D-arabinofuranosyl]-5-methyl-

# CAS No .:

69256-17-3

## Details of the supplier of the safety data sheet

Company name:	ABX advanced biochemical con	npounds
	Biomedizinische Forschungsrea	agenzien GmbH
Street:	Heinrich-Gläserstraße 10-14	
Place:	D-01454 Radeberg	
Telephone:	+49 3528 4041 60	Telefax: +49 3528 4041 65
e-mail:	info@abx.de	
Contact person:	Dr. Jan Mollitor	Telephone: +49 3528 4041 718
e-mail:	mollitor@abx.de	
Internet:	http://www.abx.de	
Emergency telephone:	+49 3528 4041 60	

### **SECTION 2: Hazards identification**

# Route(s) of Entry

#### Signs and Symptoms of Exposure

Carcinogenicity (NTP):	Toxicological data are not available.
Carcinogenicity (IARC):	Toxicological data are not available.
Carcinogenicity (OSHA):	Toxicological data are not available.

#### Other hazards

Warning - substance not yet tested completely.

# **SECTION 3: Composition/information on ingredients**

# **Substances**

Sum formula:	C10H13FN2O5
Molecular weight:	260.22



# **Material Safety Data Sheet**

according to ANSI Z400.1-2004

## **FMAU**

Print date: 09.08.2012

Product code: 2878

Page 2 of 4

# SECTION 4: First aid measures

### Description of first aid measures

#### After inhalation

Provide fresh air.

### After contact with skin

After contact with skin, wash immediately with: Water. Change contaminated clothing.

#### After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

#### After ingestion

If swallowed, immediately drink: Water. Immediately get medical attention.

#### **SECTION 5: Firefighting measures**

### Extinguishing media

### Suitable extinguishing media

Extinguishing materials should be selected according to the surrounding area. Suitable extinguishing media: Foam. Extinguishing powder. Carbon dioxide (CO2). Atomized water.

#### Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

#### Additional information

Contaminated fire-fighting water must be collected separately. Do not empty into drains or the aquatic environment.

### **SECTION 6: Accidental release measures**

### Environmental precautions

Do not empty into drains or the aquatic environment.

### Methods and material for containment and cleaning up

Collect mechanically. Treat the assimilated material according to the section on waste disposal.

# SECTION 7: Handling and storage

#### Precautions for safe handling

#### Advice on safe handling

Do not breathe dust. Conditions to avoid: skin contact. Eye contact. Wear personal protection equipment. Do not eat, drink, smoke or sneeze at the workplace.

### Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Keep container dry. Keep container tightly closed.

#### Further information on storage conditions

Recommended storage temperature: of °C: -25 up to °C: -15 Protect against: Light.

### **SECTION 8: Exposure controls/personal protection**

### **Control parameters**

# Material Safety Data Sheet

according to ANSI Z400.1-2004

FMAU				
Print date: 09.08.2012	Product code: 2878	Page 3 of 4		
Exposure controls				
Occupational exposure controls				
	quipment with built-in suction must be used. Do not breathe dust.			
Protective and hygiene measures Change contaminated cloth eat or drink.	hing. Wash hands before breaks and at the end of work. When using do not			
SECTION 9: Physical and chemical p	roperties			
Information on basic physical and chemi	cal properties			
Form:	fest			
Color:	colourless			
Odor:	odourless			
	Test method			
Changes in the physical state	405 400 °C			
Melting point:	185 - 190 °C			
Solubility in other solvents:	dimethylsulphoxide (DMSO). Methanol.			
SECTION 10: Stability and reactivity				
Stability:	Stable			
Possibility of Hazardous Reactions:	Will not occur			
Conditions to avoid Light.				
Hazardous decomposition products				
Carbon dioxide. Carbon me	onoxide. Nitrogen oxides (NOx).Fluorines-carbon-hydrogens.			
SECTION 11: Toxicological information	on			
Information on toxicological effects				
Toxicocinetics, metabolism and distri Toxicological data are not a				
Acute toxicity				
Toxicological data are not	available.			
Further information Toxicological data are not a	available.			
SECTION 12: Ecological information				
Further information				
Do not empty into drains or	r the aquatic environment. The classification was undertaken in accordance d governed by the Preparations Directive (1999/45/EC).			
SECTION 13: Disposal consideration	S			

# Waste treatment methods

## Advice on disposal

Do not empty into drains or the aquatic environment. Waste disposal according to official state regulations.



# **Material Safety Data Sheet**

according to ANSI Z400.1-2004

# **FMAU**

Print date: 09.08.2012

Product code: 2878

# **Contaminated packaging**

Cleaned containers may be recycled.

## **SECTION 14: Transport information**

## US DOT 49 CFR 172.101

### Proper shipping name

Not a hazardous material with respect to transportation regulations.

# Other applicable information

Not a hazardous material with respect to these transportation regulations.

# **SECTION 15: Regulatory information**

# U.S. Regulations

# **SECTION 16: Other information**

# Hazardous Materials Information Label (HMIS)

Health:	1	
Flammability:	1	
Physical Hazard:	1	
Personal Protection:	С	
NFPA Hazard Ratings		
Health:	1	
Flammability:	1	
Reactivity:	1	
Unique Hazard:		



Page 4 of 4