



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 Version 5.0 Revision Date 05.07.2012 Print Date 28.06.2017

1.	IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING		
1.1	Product identifiers		
	Product name	: 2,4-Dihydroxy-pyrimidin-5-carbonsäure-ethylester	
		Syn. 5-Carbethoxyuracil	
	Product Number	: 52191	
	Brand	: Aaron Chemistry GmbH	
	CAS-No.	: 28485-17-8	
1.2	Relevant identified use	s of the substance or mixture and uses advised against	

Identified uses : Laboratory chemicals, Manufacture of substances

1.3 Details of the supplier of the safety data sheet

Company	: Aaron Chemistry GmbH : Am Fischweiher 41-43 : D-82481 Mittenwald : Germany
Telephone: Fax: email:	: +49-8823-917521 : +49-8823-917523 : info@aaron-chemistry.de
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1.4 **Emergency telephone number** :+49-8823-917521

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008 Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

2.2 Label elements

The product does not need to be labelled in accordance with EC directives or respective national laws.

2.3 Other hazards - none

3. **COMPOSITION/INFORMATION ON INGREDIENTS** 3.1 Substances Synonyms : Isoorotic acid ethyl ester Formula C7H8N2O4 : Molecular Weight 184.15 g/mol

FIRST AID MEASURES 4.

4.1 Description of first aid measures

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed

4.3 Indication of any immediate medical attention and special treatment needed no data available

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

- 5.2 Special hazards arising from the substance or mixture Carbon oxides, nitrogen oxides (NOx)
- **5.3** Advice for firefighters Wear self contained breathing apparatus for fire fighting if necessary.
- 5.4 Further information no data available

6. ACCIDENTAL RELEASE MEASURES

- 6.1 **Personal precautions, protective equipment and emergency procedures** Avoid dust formation. Avoid breathing vapors, mist or gas.
- 6.2 Environmental precautions Do not let product enter drains.
- **6.3 Methods and materials for containment and cleaning up** Sweep up and shovel. Keep in suitable, closed containers for disposal.
- 6.4 Reference to other sections For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling Provide appropriate exhaust ventilation at places where dust is formed.Normal measures for preventive fire protection.

- **7.2 Conditions for safe storage, including any incompatibilities** Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
- 7.3 Specific end uses no data available

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

Appropriate engineering controls

General industrial hygiene practice.

Personal protective equipment

Eye/face 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. 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.

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

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a)	Appearance	Form: solid
b)	Odour	no data available
c)	Odour Threshold	no data available
d)	рН	no data available
e)	Melting point/freezing point	no data available
f)	Initial boiling point and boiling range	no data available
g)	Flash point	no data available
h)	Evaporation rate	no data available
i)	Flammability (solid, gas)	no data available
j)	Upper/lower flammability or explosive limits	no data available
k)	Vapour pressure	no data available
K)	rapour procedie	no uala avaliable
I)	Vapour density	no data available
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I)	Vapour density	no data available
l) m)	Vapour density Relative density	no data available no data available
l) m) n)	Vapour density Relative density Water solubility Partition coefficient: n-	no data available no data available no data available
l) m) n) o)	Vapour density Relative density Water solubility Partition coefficient: n- octanol/water Autoignition	no data available no data available no data available no data available
l) m) n) o) p)	Vapour density Relative density Water solubility Partition coefficient: n- octanol/water Autoignition temperature Decomposition	no data available no data available no data available no data available no data available
l) m) n) o) p) q)	Vapour density Relative density Water solubility Partition coefficient: n- octanol/water Autoignition temperature Decomposition temperature	no data available no data available no data available no data available no data available no data available
l) m) n) o) p) q) r)	Vapour density Relative density Water solubility Partition coefficient: n- octanol/water Autoignition temperature Decomposition temperature Viscosity	no data available no data available no data available no data available no data available no data available no data available

9.2 Other safety information no data available

10.	STABILITY AND REACTIVI	TY		
10.1	Reactivity no data available			
10.2	Chemical stability no data available			
10.3	Possibility of hazardous re	eactions		
10.4	Conditions to avoid no data available			
10.5	Incompatible materials Strong oxidizing agents			
10.6	Hazardous decomposition Other decomposition produc			
11.	TOXICOLOGICAL INFORM	ATION		
11.1	Information on toxicologic	al effects		
	Acute toxicity no data available			
	Skin corrosion/irritation no data available			
	Serious eye damage/eye ir no data available	ritation		
	Respiratory or skin sensitization no data available Germ cell mutagenicity no data available			
	Carcinogenicity			
	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.			
	Reproductive toxicity no data available			
	Specific target organ toxicity - single exposure no data available			
	Specific target organ toxicity - repeated exposure no data available			
	Aspiration hazard no data available			
	Potential health effects			
	Inhalation Ingestion Skin Eyes	May be harmful if inhaled. May cause respiratory tract irritation. May be harmful if swallowed. May be harmful if absorbed through skin. May cause skin irritation. May cause eye irritation.		
	Additional Information RTECS: Not available			
12.	ECOLOGICAL INFORMATI	ON		
12.1	Toxicity no data available			

12.2	Persistence and 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 assess no data available	ment			
12.6	Other adverse effects no data available				
13.	DISPOSAL CONSIDERATIONS				
13.1	Waste treatment methods				
	Product Offer surplus and non-recyclable set	plutions to a licensed disposal con	npany.		
	Contaminated packaging Dispose of as unused product.				
14.	TRANSPORT INFORMATION				
14. 14.1		IMDG: -	IATA: -		
14.1	TRANSPORT INFORMATION UN number	IMDG: -	IATA: -		
14.1 14.2	TRANSPORT INFORMATION UN number ADR/RID: - UN proper shipping name ADR/RID: Not dangerous goods IMDG: Not dangerous goods	IMDG: -	IATA: -		
14.1 14.2	TRANSPORT INFORMATION UN number ADR/RID: - UN proper shipping name ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods Transport hazard class(es)	-			
14.1 14.2 14.3 14.4	TRANSPORT INFORMATION UN number ADR/RID: - UN proper shipping name ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods Transport hazard class(es) ADR/RID: - Packaging group	IMDG: -	IATA: -		
14.1 14.2 14.3 14.4	TRANSPORT INFORMATION UN number ADR/RID: - UN proper shipping name ADR/RID: Not dangerous goods IMDG: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods ADR/RID: - Packaging group ADR/RID: - Environmental hazards	IMDG: - IMDG: -	IATA: - IATA: -		

15. REGULATORY INFORMATION

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

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture no data available

15.2 Chemical Safety Assessment no data available

16. OTHER INFORMATION

Further information

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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. Aaron Chemistry Gmbh shall not be held liable for any damage resulting from handling or from contact with the above product.