

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Standard Puffer Acetat pH 4.62**

Revision: 03.11.2025

Product code: AC18.07473

Page 1 of 5

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Standard Puffer Acetat pH 4.62

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

Reagents and laboratory chemicals

Only for laboratory and analysis purposes.

**1.3. Details of the supplier of the safety data sheet****Details of the supplier of the safety data sheet**

Company name: AnalytiChem Services, Unipessoal, Lda  
Street: Rua de Júlio Dinis 676 7º  
Place: N-4050-320 Porto  
Telephone: +351 226002917  
E-mail: info@analytichem.com  
Contact person: SDS service department  
E-mail: SDS@analytichem.com  
Internet: www.analytichem.com  
Responsible Department: SDS service department

**Supplier or manufacturer details**

Company name: AnalytiChem Belgium NV  
Street: Industriezone "De Arend" 2  
Place: B-8210 Zedelgem  
Telephone: +32 50 28 83 20  
E-mail: info.be@analytichem.com  
Contact person: SDS service department  
E-mail: SDS@analytichem.com  
Responsible Department: AnalytiChem:  
EU-Belgium: AnalytiChem Belgium, Industriezone "De Arend" 2, 8210 Zedelgem, Belgium, +32 50 28 83 20  
EU-Germany: AnalytiChem Germany, Stempelstrasse 6, 47167 Duisburg, Germany, +49 203 51 94 – 200  
EU-Netherlands: AnalytiChem Netherlands, Communicatieweg 7, 3641 SG Mijdrecht, The Netherlands, +31 297 286848  
UK: AnalytiChem UK, Unit 7 Launton Business Center, Murdock Road, Bicester, OX26 4XB, England, +44 1869 355 500  
USA: AnalytiChem USA, 227 China Road, Winslow, Maine, 04901, United States, +1 800-244-8378  
Canada: AnalytiChem Canada, 21800 Clark Graham Avenue, Baie d'Urfe, H9X 4B6, Canada, +1 514-457-0701  
Australia: ORE Research & Exploration Pty Ltd, 37A Hosie Street, Bayswater North, 3153, Australia, +61 3 9729 0333  
+353 1 901 4670 (CHEMTREC)

**1.4. Emergency telephone number:****SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No 1272/2008**

This mixture is not classified as hazardous in accordance with Regulation (EC) No 1272/2008.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Standard Puffer Acetat pH 4.62

Revision: 03.11.2025

Product code: AC18.07473

Page 2 of 5

**2.2. Label elements**

Regulation (EC) No 1272/2008

Special labelling of certain mixtures

EUH210

Safety data sheet available on request.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Relevant ingredients**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
64-19-7	acetic acid			1 - < 5 %
	200-580-7	607-002-00-6	01-2119475328-30	
	Flam. Liq. 3, Skin Corr. 1A, Eye Dam. 1; H226 H314 H318			

Full text of H and EUH statements: see section 16.

**Specific Conc. Limits, M-factors and ATE**

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
64-19-7	200-580-7	acetic acid	1 - < 5 %
	oral: LD50 = 3310 mg/kg Skin Corr. 1A; H314: >= 90 - 100 Skin Corr. 1B; H314: >= 25 - < 90 Skin Irrit. 2; H315: >= 10 - < 25 Eye Irrit. 2; H319: >= 10 - < 25		

**SECTION 4: First aid measures****4.1. Description of first aid measures****SECTION 5: Firefighting measures****5.1. Extinguishing media****SECTION 6: Accidental release measures****SECTION 7: Handling and storage****7.1. Precautions for safe handling****7.2. Conditions for safe storage, including any incompatibilities****SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Occupational exposure limits**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fib/cm <sup>3</sup>	Category	Origin
64-19-7	Acetic acid	10	25		TWA (8 h)	
		20	50		STEL (15 min)	

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Standard Puffer Acetat pH 4.62

Revision: 03.11.2025

Product code: AC18.07473

Page 3 of 5

## DNEL/DMEL values

CAS No	Substance			
DNEL type	Exposure route		Effect	Value
64-19-7	acetic acid			
Worker DNEL, long-term	inhalation		local	25 mg/m <sup>3</sup>
Worker DNEL, acute	inhalation		local	25 mg/m <sup>3</sup>
Consumer DNEL, long-term	inhalation		local	25 mg/m <sup>3</sup>
Consumer DNEL, acute	inhalation		local	25 mg/m <sup>3</sup>

## PNEC values

CAS No	Substance			
Environmental compartment				Value
64-19-7	acetic acid			
Freshwater				3,058 mg/l
Freshwater (intermittent releases)				30,58 mg/l
Marine water				0,306 mg/l
Freshwater sediment				11,36 mg/kg
Marine sediment				1,136 mg/kg
Micro-organisms in sewage treatment plants (STP)				85 mg/l
Soil				0,47 mg/kg

## 8.2. Exposure controls

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	colourless
Flash point:	?
pH-Value:	4,6
Density:	1,0084 g/cm <sup>3</sup>

## SECTION 10: Stability and reactivity

## SECTION 11: Toxicological information

## 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

## ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 50 mg/l; ATE (inhalation dust/mist) > 5 mg/l

## Acute toxicity

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
64-19-7	acetic acid				
	oral	LD50 3310 mg/kg	Rat	J Ind Hyg Toxicol, Vol 23, PP 78-82 (194)	The sodium salt of acetic acid was admin

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Standard Puffer Acetat pH 4.62

Revision: 03.11.2025

Product code: AC18.07473

Page 4 of 5

## SECTION 12: Ecological information

## 12.1. Toxicity

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
64-19-7	acetic acid					
	Acute fish toxicity	LC50 > 1000 mg/l	96 h	Oncorhynchus mykiss	Study report (2005)	other: SOP E257
	Acute algae toxicity	ErC50 > 1000 mg/l	72 h	Skeletonema costatum	Study report (2005)	ISO 10253
	Acute crustacea toxicity	EC50 > 1000 mg/l	48 h	Daphnia magna	Study report (1990)	OECD Guideline 202

## 12.3. Bioaccumulative potential

## Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
64-19-7	acetic acid	-0,17

## BCF

CAS No	Chemical name	BCF	Species	Source
64-19-7	acetic acid	3,16	fish	Environ. Toxicol. Ch

## 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

## 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

## SECTION 13: Disposal considerations

## 13.1. Waste treatment methods

## SECTION 14: Transport information

## Land transport (ADR/RID)

## 14.1. UN number or ID number:

No dangerous good in sense of this transport regulation.

## 14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

## 14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

## 14.4. Packing group:

No dangerous good in sense of this transport regulation.

## Inland waterways transport (ADN)

## 14.1. UN number or ID number:

No dangerous good in sense of this transport regulation.

## 14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

## 14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

## 14.4. Packing group:

No dangerous good in sense of this transport regulation.

## Marine transport (IMDG)

## 14.1. UN number or ID number:

No dangerous good in sense of this transport regulation.

## 14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

## 14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

## 14.4. Packing group:

No dangerous good in sense of this transport regulation.

## Air transport (ICAO-TI/IATA-DGR)

## 14.1. UN number or ID number:

No dangerous good in sense of this transport regulation.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**Standard Puffer Acetat pH 4.62**

Revision: 03.11.2025

Product code: AC18.07473

Page 5 of 5

**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.**14.4. Packing group:** No dangerous good in sense of this transport regulation.**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**14.6. Special precautions for user**

No dangerous good in sense of this transport regulation.

**14.7. Maritime transport in bulk according to IMO instruments**

No dangerous good in sense of this transport regulation.

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

Restrictions on use (REACH, annex XVII):

Entry 40, Entry 75

**National regulatory information**

Water hazard class (D): 1 - slightly hazardous to water

**SECTION 16: Other information****Abbreviations and acronyms**

Flam. Liq. 3: Flammable liquids, hazard category 3

Skin Corr. 1A: Skin corrosion, sub-category 1A

Eye Dam. 1: Serious eye damage, hazard category 1

**Relevant H and EUH statements (number and full text)**

H226 Flammable liquid and vapour.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

EUH210 Safety data sheet available on request.

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)