

#### biochempeg.com

# SAFETY DATA SHEET

according to Regulation GB15258-2009 Revision date: 1/1/2015 Print date: 4/6/2017

#### Section 1. Chemical Product & Company Information

1.1 Product	identifiers
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Product name : 4-ArmPEG-GA / 4-ArmPEG-Glutaric Acid

Product No. : A44012

M.W : 2K,10K,20K

Brand : Biochempeg

# 1.2 Relevant identified uses 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 name:Biochempeg Scientific IncStreet/POB-No. :108Water Street, Room 4D, Watertown, MA 02472, USATelephone:+1 857-366-6766Fax:+1 617-206-9595Email:sales@biochempeg.com

#### Section 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

This substance is not classified as dangerous according to Directive 67/548/EEC.

## 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

## Section 3: Composition/Information on ingredients

## 3.1 Substances

Synonyms	Content	Structure
4-ArmPEG-GA	Min 95%	$\left[ \begin{array}{c} O \\ H_{2} \\ -\left( CH_{2} \\ -O \\ -\left( CH_{2} \\ CH_{2} \\ O \\ -\right)_{n} \\ CH_{2} \\ CH_{2} \\ -O \\ -C \\ -C \\ -C \\ -C \\ -C \\ -C \\ -C$

#### Section 4: Hazards Summarizing

#### 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

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## 4.3 Indication of any immediate medical attention and special treatment needed

no data available

#### Section 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

Nature of decomposition products not known.

## 5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

#### **5.4 Further information**

no data available

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

Personal protection: Use personal protective equipment. Avoid breathing vapors

Steps if material is released or spilled:

Keep air ventilation, Keep away from kindling, absorb with an inert material (e.g., vermiculite, dry sand, earth), and place in a chemical waste container. Treatment as the environmental protection department's requirement, Do not flush to sewer!

#### **SECTION 7: Handling Storage**

Notice:	Keep air ventilation; avoid contacting with skin and eyes.
Storage:	Store in a cool , dry and airiness place. Keep storage container tightly closed. Recommended
	storage temperature -5 $^{\circ}$ C.

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

Exposure limits:	osure limits: Occupational Exposure Limits.	
Ventilation:	A system of local and/or general exhaust is recommended to keep employee exposures below	
	the Airborne Exposure Limits. Local exhaust ventilation is generally preferred.	
Respiratory System Pro	Respiratory System Protection: Avoid to inhalation the vapour or gas.	
Eye Protection:	Use chemical safety goggles.	
Protective Gloves:	Common chemical resistant gloves.	

#### **SECTION 9: Physical and chemical properties**

Information on basic physical and chemical properties

a)	Appearance	White/Off-white powder
b)	Boiling temperature/boiling range	no date available
c)	Special gravity(H20=1)	no date available
d)	Flash point	no date available
e)	Water solubility	Miscible with water with any proportion

## **SECTION 10: Stability and reactivity**

Stablility: Product is stable under normal operating conditions and use as described in technical data sheetHazardous Polymerization:No.Condition to Avoid:High temperature and frequent exposure.Materails to Avoid :Strong oxidizers agent.

## **SECTION 11: Toxicological information**

Aucte oral toxicity:LD50rat > 12,600 mg/kgAcute dermal toxicity:LD50rabbit > 5,000 mg/kg

Skin irritation:	Rabbit No skin irritation			
Eye irritation:	Rabbit slight irritation			

#### **SECTION 12: Ecological information**

No date available

#### **SECTION 13: Disposal considerations**

Disposal method: Consult the local environmental protection department

SECTION 14: Trans	port information			
14.1 UN number				
ADR/RID: -	IMDG: -		ATA: -	
14.2 UN proper sh	nipping name			
ADR/RID: Not dang	gerous goods IM	DG: Not dangerous go	ods	IATA: Not dangerous goods
14.3 Transport ha	zard class(es)			
ADR/RID: -	IMDG: -		ATA: -	
14.4 Packaging gro	oup			
ADR/RID: -	IMDG: -		ATA: -	
14.5 Environment	al hazards			
ADR/RID: no	IMDG Marine pollu	tant: no	IATA: no	
14.6 Special preca	utions for user			
no data available				

#### **SECTION 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 For this product a chemical safety assessment was not carried out

#### **SECTION 16: Other information**

To the best of our knowledge, the information contained herein is accurate. However, neither Biochempeg Scientifc nor any of itssubsidiaries 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 materials may present unknownhazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. This product is intended for research.