

# **MATERIAL SAFETY DATA SHEET**

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

<b>Product identifiers</b> Product name: Product number:	TNF alpha murine rec. CB-1212011M, CB-1212011		
Brand:	PAN Biotech		
Relevant identified uses of the substance or mixture and uses advised against			
Identified uses:	Laboratory chemicals, for research use only		
Details of the supplier of the safety data sheet			
Company	PAN Biotech GmbH Am Gewerbepark 13 94501 Aidenbach GERMANY		
Telephone: Fax: E-mail:	+49-(0)8543-6016-30 +49-(0)8543-6016-49 info@pan-biotech.de		
Emergency telephone number			
Emergency phone:	+49-(0)8543-6016-30 or +49 151 51557123		
2.	HAZARDS INDENTIFICATION		
The product contains no substances which at their given concentration, are considered hazardous to health. We recommend handling all chemicals with caution.			

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

The product contains no substances which at their given concentration, are considered to be hazardous to health

## 4. FIRST AID MEASURES

## Skin contact

Wash off immediately with plenty of water. If symptoms persist, call a physician.

#### Eye contact

Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.

According to Regulation [EC] No. 1907/2006 Version 1.1 Revised 20/03/2018



Ingestion Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Inhalation Move to fresh air. If symptoms persist, call a physician. Notes to physician Treat symptomatically.

## 5. FIREFIGHTING MEASURES

Suitable extinguishing media Dry chemical Special protective equipment for fire fighters Wear self-contained breathing apparatus and protective suit

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions Use personal protective equipment Methods for cleaning up Take up mechanically and collect in suitable container for disposal

## 7. HANDLING AND STORAGE

Handling No special advice required Storage Keep in properly labelled containers

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits			
Engineering measures	Ensure adequate ventilation, especially in confined areas.		
Personal protective equipme	ent		
Respiratory protection	In case of insufficient ventilation wear suitable respiratory equipment		
Hand protection	Impervious gloves		
Skin and body protection	Lightweight protective clothing		
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice.		
Environmental exposure con	Itrols Prevent from entering drains		

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Physical State: solid
рН	Not available
Boiling point/Boiling point range	Not available
Melting point/Melting point range	Not available
Flash Point	Not available
Flammability	Not available
Auto-ignition Temp	Not available
Oxidizing Properties	Not available
Explosive Properties	Not available
Explosion Limits	Not available

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Vapour Pressure Partition Coefficient Viscosity Vapour Density Saturated Vapour Conc. Evaporation Rate Bulk Density Decomposition Temp.
Solvent Content
Water Content Surface Tension
Conductivity
Miscellaneous Data Solubility

Not available Not available

## 10. STABILITY AND REACTIVITY

Stability: stable Materials to avoid: No information available Hazardous decomposition Products: No information available Polymerization: Hazardous polymerization does not occur

## 11. TOXICOLOGICAL INFORMATION

Acute toxicity

No data available

Principle routes of Exposure/Potential Health effects		
Eyes	May cause eye irritation of susceptible persons.	
Skin	No information available	
Inhalation	May cause irritation of respiratory tract.	
Ingestion	May be harmful if swallowed.	

## Specific effects (Long term effects)

Carcinogenic effects	No information available
Mutagenic effects	No information available
Reproductive toxicity	No information available
Sensitization	No information available
Target organ effects	No information available

#### 12. ECOLOGICAL INFORMATION

Ecotoxicity effects	No information available
Mobility	No information available
Biodegradation	Inherently biodegradable
Bioaccumulation	Does not bio accumulate

#### 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations



## 14. TRANSPORT INFORMATION

UN number					
ADR/RID: -	IMDG:	-	IAT	A: -	
UN proper shipping name					
ADR/RID:	not dangerous goods	IMDG:	not dangerous good	ls IATA:	not
dangerous goods					
Transport hazard class(es)					
ADR/RID: -	IMDG:	-	IAT	A: -	
Packaging group					
ADR/RID: -	IMDG:	-	IAT	A: -	
Environmental hazards					
ADR/RID: no	IMDG I	Marine p	ollutant: no IAT	A: no	
Special precautions for user	no data available				

#### 15. **REGULATORY INFORMATION**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006. Safety, health and environmental regulations/legislation specific for the substance or mixture no data available Chemical Safety Assessment

no data available

## 16. OTHER INFORMATION

#### **Further information**

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. PAN Biotech GmbH shall not be held liable for any damage resulting from handling or from contact with the above product. See www.pan-biotech.com or reverse side of invoice or packing slip for additional terms and conditions of sale.