# RD SYSTEMS a biotechne brand

1.	IDENTIFICATION OF	THE SUBSTANCE/MIXTURE AND OF THE C	COMPANY/UNDERTAKI	NG					
1.1	Product Identifiers								
	Product Name:	Human FGF basic/FGF2/bFGF Antibody							
	Catalog Number:	MAB2333							
1.2	Relevant identified uses of the substance or mixture and uses advised against								
	Identified Uses:								
1.3	Details of the supplier of the safety data sheet								
	Company:	R&D Systems, Inc. a Bio-Techne Brand	Telephone:	1-800-343-7475					
		614 McKinley Place NE	Fax:	1-612-656-4400					
		Minneapolis, MN 55413, USA	Internet:	www.rndsystems.com					
			Email address:	info@bio-techne.com					
	Canada:	21 Canmotor Ave	Telephone:	1-855-668-8722					
		Toronto, ON M8Z 4E6	Fax:	902-827-6402					
			Email address:	Canada.inquiries@bio-techne.com					
	United Kingdom:	19 Barton Lane	Telephone:	44 (0)1235 529449					
		Abingdon Science Park Abingdon, OX14 3NB	Fax: Email address:	44 (0)1235 533420 info.emea@bio-techne.com					
		Abiliguoli, OX14 OND	Email address.						
	China:	1193 Changning Road	Telephone:	86-400-821-3475					
		Unit 1901, Raffles Changning Office	Fax:	76 (021)52371001					
		Shanghai , China	Email address:	techsupport.cn@bio-techne.com					
1.4	Emergency Telephone Number								
	Emergency Tel: US: 612-379-2956 or 800-343-7475 / Europe: +44(0)1235-529449 / China 86-400-821-3475								
2.	HAZARDS IDENTIFICATION								
2.1	Classification of the s	ubstance or mixture							
	This substance does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC, 1272/2008 [CLP], GHS or 29 CFR 1910.1200 [OSHA].								
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/INFO	RMATION ON INGREDIENTS							
3.1	Substances								
	Product Name: Human FGF basic/FGF2/bFGF Antibody								
	There are no components that need to be disclosed according to applicable regulations.								
3.2	Mixtures								
	Not applicable.								
4.	FIRST AID MEASURES								
4.1	Description of first aid	Description of first aid measures							
	General Advice								
	Consult a doctor and show this safety data sheet.								
	If Inhaled								
	Remove to fresh air and monitor breathing. If breathing becomes difficult, give oxygen. If breathing stops, give artificial respiration. Consult a doctor.								
	In Case of Skin Contact								
	Immediately wash skin with copious amounts of soap and water for at least 15 minutes. Remove contaminated clothing and shoes and wash before reuse. Consult a doctor								
	In Case of Eye Contact								
	Flush with copious amounts of water for at least 15 minutes. Consult a doctor.								
	If Swallowed								
	Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Consult a doctor								

Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Consult a doctor.

# 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 immediate medical attention and special treatment needed

Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

# 5. FIRE-FIGHTING 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

In combustion, may emit toxic fumes.

# 5.3 Precautions for fire-fighters

Wear suitable protective clothing to prevent contact with skin and eyes and self-contained breathing apparatus.

#### 6. ACCIDENTIAL RELEASE MEASURES

## 6.1 Personal precautions, protective equipment and emergency procedures

Do not take action without suitable protective clothing - see section 8 of SDS. Evacuate personnel to safe areas. Ensure adequate ventilation. Avoid breathing vapors, mist, dust or gas.

#### 6.2 Environmental precautions

Do not let product enter drains.

#### 6.3 Methods and materials for containment and cleaning up

Cover spillage with suitable absorbent material. Hold all material for appropriate disposal as described under section 13 of SDS.

#### 6.4 Reference to other sections

For required PPE see section 8. For disposal see section 13.

#### 7. HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

Avoid inhalation, contact with eyes, skin and clothing. Avoid the formation of dust and aerosols. Use in a well-ventilated area. Keep away from sources of ignition. Avoid prolonged or repeated exposure.

# 7.2 Conditions for safe storage, including any incompatibilities

Store in cool, well-ventilated area. Keep away from direct sunlight. Keep container tightly sealed until ready for use.

# 7.3 Specific end uses

Not applicable.

### 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

Use in a fume hood where applicable. Ensure all engineering measures described under section 7 of SDS are in place. Ensure laboratory is equipped with a safety shower and eye wash station.

#### Personal Protective Equipment

#### Eye / Face Protection

Use appropriate safety glasses.

# **Skin Protection**

Use appropriate chemical resistant gloves (minimum requirement use standard BS EN 374:2003). Gloves should be inspected before use. Wash and dry hands thoroughly after handling.

## **Body Protection**

Wear appropriate protective clothing.

#### **Respiratory Protection**

If risk assessment indicates necessary, use a suitable respirator.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance	No data available.
Odor	No data available.
Odor Threshold	No data available.
pH	No data available.
Melting / Freezing Point	No data available.
Boiling Point / Range	No data available.

Vapor Pressure Vapor Density Relative Density Solubility(ies) Partition Coefficient Autoignition Temperature No data available. No data available.

Proventient of end o		Flash Point Evaporation Rate		No data available. No data available.	Decomposition Temperature	No data available. No data available.				
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Lunix Consider langer										
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Aspiration Hazard         Classified based on avalated to the the total set of contact.         Ingestion:       There may be irritation of the throat.         Ingestion:       There may be irritation of the throat.         Iskin:       There may be irritation at the site of contact.         Eyes:       There may be irritation and redness.         Delayed / Immediate set of the throat.       No known symptoms.         Additional Information:       Set on the total set of the the total set of t		Specific Target Organ To	xicity - Repeated	Exposure						
Classified based on available data         Symptoms / Routes of Example         Inhalation:       There may be irritation of the throat with a feeling of tightness in the chest.         Ingestion:       There may be irritation of the throat.         Skin:       There may be mild irritation at the site of contact.         Eyes:       There may be irritation and redness.         Delayed / Immediate Effects:       No known symptoms.         Additional Information       The set of		Classified based on availa	able data							
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Skin:     There may be mild irritation at the site of contact.       Eyes:     There may be irritation and redness.       Delayed / Immediate Effects:     No known symptoms.       Additional Information     Vertical Additional Additi										
Eyes:       There may be irritation and redness.         Delayed / Immediate       No known symptoms.         Effects:       Additional Information		Ingestion:	There may be in	ritation of the throat.						
Delayed / Immediate No known symptoms. Effects: Additional Information		Skin:	There may be m	ild irritation at the site of contac	t.					
Effects: Additional Information		Eyes:	There may be ir	ritation and redness.						
		Delayed / Immediate	No known symp	otoms.						

# 12. ECOLOGICAL INFORMATION

# 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 assessment

No data available.

# 12.6 Other adverse effects

No data available

# 13. DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

#### Product

Transfer to a suitable container and arrange for collection by specialized disposal company in accordance with national, regional, or local legislation.

#### **Contaminated Packaging**

Dispose of in a regulated landfill site or other method for hazardous or toxic wastes in accordance with national, regional, or local legislation.

### 14. TRANSPORT INFORMATION

Classified according to the criteria of the UN Model Regulations as reflected in the IMDG Code, ADR, RID, DOT and IATA.

# 14.1 UN-Number

Does not meet the criteria for classification as hazardous for transport.

# 14.2 UN proper shipping name

Does not meet the criteria for classification as hazardous for transport.

#### 14.3 Transport hazard class(es)

Does not meet the criteria for classification as hazardous for transport.

#### 14.4 Packaging group

Does not meet the criteria for classification as hazardous for transport.

#### 14.5 Environmental hazards

Does not meet the criteria for classification as hazardous for transport.

#### 14.6 Special precautions for users

Does not meet the criteria for classification as hazardous for transport.

## Additional Transport Information

Does not meet the criteria for classification as hazardous for transport.

#### 15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 453/2010.

# 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

TSCA (Toxic Substances Control Act): Not applicable. SARA 313: Not applicable. SARA 311/312: Not applicable. CERCLA Reportable Quantity: Not applicable.

California Proposition 65:

# 15.2 Chemical safety assessment

A Chemical Safety Assessment has not been made for this product.

# 16. OTHER INFORMATION

## **Further Information**

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This company shall not be held liable for any damage resulting from handling or from contact with the above product. This material must only be handled by suitably qualified experienced scientists in appropriately equipped and authorized facilities. The above information is believed to be correct but does not purport to be all inclusive and should be used as a guide only for experienced personnel. Always consult your safety advisor and follow appropriate local and national safety legislature. The absence of warning must not, under any circumstance, be taken to mean that no hazard exists.

End of safety data sheet