

# SAFETY DATA SHEET



## IMPATH TR4

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Issued: 12/23/2014

Revision No: 1

### SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

#### 1.1 Product identifier

Product: ImPath TR4 (Retrieval Sol. 9)  
Catalog No.: 47245

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended use: Immunohistochemistry (IHC)

#### 1.3 Details of the supplier of the safety data sheet

MANUFACTURER	EMAIL ADDRESS
PathCom Systems, Inc.	info@pathcomx.com
6759 Sierra Ct. Ste#B	
Dublin, CA 94568	

#### DISTRIBUTOR

##### Menarini Diagnostics LTD

405 Wharfedale Road,  
Winnersh-Workingham  
Berkshire RG415RA

#### 1.4 Emergency telephone number

Tel. 925-829-5500 (9 am-6 pm PST, M-F)

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards	Not classified
Human health	Not classified
Environment	Not classified
Classification (1999/45/EEC)	Not classified

#### 2.2 Label elements

Contains  
Label In Accordance With (EC) No. 1272/2008  
Not classified

Supplemental Label Information (EU)

EUH210

Safety data sheet available on request.

#### 2.3 Other information

None

### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

TRIZMA BASE	<0.2%
CAS:77-86-1	EC No.: 201-064-4
Classification (EC 1272/2008)	Classification (67/548/EEC)
Skin Irrit. 2 H315	Xi: 36/37/38
H319	
STOT SE 3 H335	
EDTA, TETRASODIUM	<0.2%
CAS:13235-36-4	EC No: 200-573-9
Classification (EC 1272/2008)	Classification (67/548/EEC)
Eye Dam. 1 H318	Xn; R22
Acute Tox. 4 H302	
Acute Tox. 4 H332	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

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### **SECTION 4: FIRST AID MEASURES**

#### **4.1. Description of first aid measures**

##### **Inhalation**

In case of inhalation of spray mist: Move person into fresh air and keep at rest. Get medical attention if any discomfort continues. If breathing stops, provide artificial respiration. Get medical attention immediately!

##### **Ingestion**

NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Get medical attention if any discomfort continues.

##### **Skin contact**

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention promptly if symptoms occur after washing.

##### **Eye contact**

Promptly wash eyes with plenty of water while lifting the eye lids. Make sure to remove any contact lenses from the eyes before rinsing. Continue to rinse for at least 15 minutes. Obtain medical attention and bring these instructions.

#### **4.2. Most important symptoms and effects, both acute and delayed**

##### **Inhalation.**

May cause coughing or mild irritation.

##### **Ingestion**

May cause discomfort if swallowed.

##### **Skin contact**

Skin contact may cause redness and irritation.

##### **Eye contact**

May cause eye irritation.

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

No specific first aid measures noted.

### **SECTION 5: FIREFIGHTING MEASURES**

#### **5.1. Extinguishing media**

##### **Extinguishing media**

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

#### **5.2. Special hazards arising from the substance or mixture**

##### **Hazardous Combustion Products**

None under normal conditions.

##### **Unusual Fire & Explosion Hazards**

None.

#### **5.3. Advice for firefighters**

##### **Special Fire Fighting Procedures**

No specific fire fighting procedure given.

##### **Protective Measures In Fire**

Use protective equipment appropriate for surrounding materials.

### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

#### **6.1. Personal precautions, protective equipment and emergency procedures**

Avoid inhalation of spray mist and contact with skin and eyes. Use protective gloves, goggles and suitable protective clothing. For personal protection, see section 8.

#### **6.2. Environmental precautions**

Do not allow to enter drains, sewers or watercourses.

#### **6.3. Methods and material for containment and cleaning up**

Stop leak if possible without risk. Absorb spillage with suitable absorbent material. Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer.

#### **6.4. Reference to other sections**

Wear protective clothing as described in Section 8 of this safety data sheet.

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### SECTION 7: HANDLING AND STORAGE

#### 7.1. Precautions for safe handling

Avoid spilling, skin and eye contact. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site.

#### 7.2. Conditions for safe storage, including any incompatibilities

Keep in original container. Store at specified temperature. Refer to product label.

Storage Class: Refer to product datasheet.

#### 7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. Control parameters

Name: TRIZMA BASE

Workplace Exposure Limit: Not identified

#### 8.2. Exposure controls

Protective equipment

Impermeable gloves and safety glasses

Process conditions

Provide eyewash station.

Engineering measures

Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of spray.

Respiratory equipment

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

Hand protection

Use suitable protective gloves if risk of skin contact. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Nitrile gloves are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is advisable.

Eye protection

If risk of splashing, wear safety goggles or face shield.

Other Protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

Skin protection

Wear apron or protective clothing in case of contact. Wash contaminated clothing before reuse.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Light blue
Odour	Odorless
pH	9.0
Solubility	soluble in water.
Initial boiling point and boiling range	Not determined
Melting point (°C)	Not determined
Relative density	Not determined
Vapour density (air=1)	Not determined
Vapour pressure	Not determined
Evaporation rate	Not determined
Viscosity	Not determined
Solubility Value (G/100G H <sub>2</sub> O@20°C)	Not determined
Decomposition temperature (°C)	Not determined
Flash point	Not applicable
Auto Ignition Temperature (°C)	Not determined
Flammability Limit - Lower(%)	Not applicable
Flammability Limit - Upper(%)	Not applicable

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**9.2. Other information**  
None

### 12.1. Toxicity



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Acute Fish Toxicity LC50 – Not determined

### 12.2. Persistence and degradability

Degradability

This product is expected to be readily biodegradable.

### 12.3. Bioaccumulative potential

Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

### 12.4. Mobility in soil

Mobility:

The product is soluble in water.

### 12.5. Results of PBT and vPvB assessment

No information available.

### 12.6. Other adverse effects

Not determined

## SECTION 13: DISPOSAL CONSIDERATIONS

General information

When handling waste, consideration should be made to the safety precautions applying to handling of the product.

### 13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

## SECTION 14: TRANSPORTATION INFORMATION

General

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

Road Transport Notes

Not Classified

Rail Transport Notes

Not classified

Sea Transport Notes

Not classified

Air Transport Notes

Not classified

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

Not applicable.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

### 14.6. Special precautions for user

None

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

## SECTION 15: REGULATORY INFORMATION

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

Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

Guidance Notes

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Workplace Exposure Limits EH40.

EU Legislation

Regulation (EU) No 453/2010 of 20 May 2010 Annex II and Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

### 15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

### SECTION 16: OTHER INFORMATION

General information	only trained personnel should use this material.
SDS No.:	Revision No. 1
Date:	11/08/2012
Risk Phrases In Full	
R22	Harmful if swallowed
R36/37/38	Irritating to eyes, respiratory system and skin
Hazard Statements In Full	
H302	Harmful if swallowed.
H303	May be harmful if swallowed.
H315	Causes skin irritation
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation

### Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.