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## **Safety Data Sheets**

### **Quantum HD HRP Detection Kit** **Catalog#: QHD-U3-15-HRP-KIT**

#### **SDS**

**Dewax Solution 1**  
**HRP-Polymer A**  
**HRP-Polymer B**  
**HRP-Polymer C**  
**DAB Substrate (2x)**  
**DAB Chromogen (2x)**  
**Hematoxylin**

**Company**            **StatLab Medical Products**  
**2090 Commerce Drive**  
**McKinney, TX 75069**  
**(800) 442-3573**  
**Statlab.com**

**Email Address: [ihctech@statlab.com](mailto:ihctech@statlab.com)**

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

### 1.1 Product identifier

Product: Dewax Solution 1  
Catalog No.: Component

### 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

Manufactured for StatLab Medical Products  
2090 Commerce Drive  
McKinney, TX 75069  
(800) 442-3573  
Statlab.com

### 1.4 Emergency telephone number

Chemtrec: 800-424-9300 (USA & Canada)  
Chemtrec: 703-527-3987 (International)  
Non-transport: 972-436-1010 (USA)

## 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 D-LIMONENE  
Label in Accordance With (EC) No. 1272/2008



Signal word: Warning

### Hazard statement(s)

H226	Flammable liquid and vapor
H303	May be harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H400	Very toxic to aquatic life

### Precautionary statement(s)

P273	Avoid release to the environment
P280	Wear protective gloves

### 2.3 Other information

None

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

D-LIMONENE	<20%
CAS-No.: 5989-27-5	EC No.: 227-813-5
Classification (EC 1272/2008)	Classification (67/548/EEC)
Flam. Liq. 3 - H226	R10
Skin Irrit. 2 - H315	R38 N; R43 Xi

Skin Sens. 1 – H317  
Aquatic Acute 1 – H400  
Aquatic Chronic 1 – H410

R-50/53

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

#### **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.

## 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:	D-Limonene	
Workplace Exposure Limit	UK - 8-hour TWA: 165.6 mg/m3	UK - 15 min. STEL: Not determined

### 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
Color	Colorless
Odor	Citrus odor
pH	Not determined
Solubility	miscible in water.
Initial boiling point and boiling range	Not determined
Melting point (°C)	Not determined
Relative density	Not determined
Vapor density (air=1)	Not determined

Vapor 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
Partition Coefficient (N-Octanol/Water)	Not determined
Explosive properties	Not applicable
Oxidizing properties	Does not meet the criteria for oxidizing

## 9.2. Other information

None

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

There are no known reactivity hazards associated with this product.

### 10.2. Chemical stability

Stable under normal temperature conditions.

### 10.3. Possibility of hazardous reactions

Not determined

### 10.4. Conditions to avoid

Avoid exposure to high temperatures or direct sunlight.

### 10.5. Incompatible materials

Materials to Avoid Strong alkalis

### 10.6. Hazardous decomposition products

None under normal conditions

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Toxicological information	No information available
Acute Toxicity (Oral LD <sub>50</sub> )	Not determined
Skin Corrosion/Irritation:	
Human Skin Model Test	Not determined
Serious eye damage/irritation:	
Moderate eye irritation	Not determined
Respiratory sensitization	Did not cause sensitization on laboratory animals
Skin sensitization	Did not cause sensitization on laboratory animals
Germ cell mutagenicity (In Vitro):	Not mutagenic in Ames Test
Carcinogenicity	Not determined
Reproductive Toxicity – Fertility	Not determined
Specific target organ toxicity - single exposure:	
STOT - Single exposure	Not determined
Specific target organ toxicity - repeated exposure:	
STOT - Repeated exposure	Not determined
Aspiration hazard	Not determined
Inhalation	
	May be harmful if inhaled. Causes respiratory tract irritation
Ingestion	
	May be harmful if swallowed.
Skin contact	
	May be harmful if absorbed through skin. Causes skin irritation.
Eye contact	
	Causes eye irritation.

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**Health Warnings**

Not determined

**Route of entry**

Ingestion. Skin and/or eye contact.

**SECTION 12: ECOLOGICAL INFORMATION**

**Ecotoxicity**

There are no data on the ecotoxicity of this product.

**12.1. Toxicity**

**Acute Fish Toxicity**

LC50 – Not determined

**12.2. Persistence and degradability**

**Degradability**

This product is expected to be readily biodegradable.

**12.3. Bio accumulative potential**

**Bio accumulative potential**

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

**12.4. Mobility in soil**

**Mobility:**

The product is miscible 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

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, Authorization 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: 01/28/2018

Risk Phrases in Full

R10 Flammable

R38 Irritating to skin

R43 May cause sensitization by skin contact

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Hazard Statements in Full

H226 Flammable liquid and vapor

H302 Harmful if swallowed.

H303 May be harmful if swallowed.

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H319 Causes serious eye irritation.

H400 Very toxic to aquatic life

**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 use.

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

### 1.1 Product identifier

Product: HRP-Polymer A, C  
Catalog No.: Components

### 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

Manufactured for StatLab Medical Products  
2090 Commerce Drive  
McKinney, TX 75069  
(800) 442-3573  
Statlab.com

### 1.4 Emergency telephone number

Chemtrec: 800-424-9300 (USA & Canada)  
Chemtrec: 703-527-3987 (International)  
Non-transport: 972-436-1010 (USA)

## 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

PROCLIN 300	<0.1%
CAS: 2682-20-4	EC No.:220-239-6
Classification (EC 1272/2008)	Classification (67/548/EEC)
Not classified	C R34
	Xi R43

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

## 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

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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.

**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: PROCLIN 300  
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
Color	Light blue
Odor	Odorless
pH	7.4
Solubility	soluble in water.
Initial boiling point and boiling range	Not determined
Melting point (°C)	Not determined
Relative density	Not determined
Vapor density (air=1)	Not determined
Vapor 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
Partition Coefficient (N-Octanol/Water)	Not determined
Explosive properties	Not applicable
Oxidizing properties	Does not meet the criteria for oxidizing

### 9.2. Other information



#### **12.3. Bio accumulative potential**

Bio accumulative 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

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, Authorization 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:	01/28/2018
Risk Phrases in Full	
R34	Causes burns by radioactive decay
R43	May cause sensitisation by skin contact

#### 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 use.

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

### 1.1 Product identifier

Product: HRP-Polymer B  
Catalog No.: Component

### 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

Manufactured for StatLab Medical Products  
2090 Commerce Drive  
McKinney, TX 75069  
(800) 442-3573  
Statlab.com

### 1.4 Emergency telephone number

Chemtrec: 800-424-9300 (USA & Canada)  
Chemtrec: 703-527-3987 (International)  
Non-transport: 972-436-1010 (USA)

## 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

PROCLIN 950	<0.1%
CAS: 2682-20-4	EC No.: 220-239-6
Classification (EC 1272/2008)	Classification (67/548/EEC)
Not classified	C R34
	Xi R43

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

## 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

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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.

**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: PROCLIN 950  
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
Color	Colorless
Odor	Odorless
pH	7.4
Solubility	soluble in water.
Initial boiling point and boiling range	Not determined
Melting point (°C)	Not determined
Relative density	Not determined
Vapor density (air=1)	Not determined
Vapor 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
Partition Coefficient (N-Octanol/Water)	Not determined
Explosive properties	Not applicable
Oxidizing properties	Does not meet the criteria for oxidizing

### 9.2. Other information

None

## SECTION 10: STABILITY AND REACTIVITY



There are no known reactivity hazards associated with this product.

Stable under normal temperature conditions.

Not determined

Avoid exposure to high temperatures or direct sunlight.

Materials to Avoid Strong alkalis

None under normal conditions

### 11.1. Information on toxicological effects

<p>Toxicological information</p> <p>Acute Toxicity (Oral LD50)</p> <p>Skin Corrosion/Irritation:</p> <p>Human Skin Model Test</p> <p>Serious eye damage/irritation:</p> <p>Moderate eye irritation</p> <p>Respiratory sensitization</p> <p>Skin sensitization</p> <p>Germ cell mutagenicity (In Vitro):</p> <p>Carcinogenicity</p> <p>Reproductive Toxicity – Fertility</p> <p>Specific target organ toxicity - single exposure:</p> <p>STOT - Single exposure</p> <p>Specific target organ toxicity - repeated exposure:</p> <p>STOT - Repeated exposure</p> <p>Aspiration hazard</p> <p>Inhalation</p> <p>Ingestion</p> <p>Skin contact</p> <p>Eye contact</p> <p>Health Warnings</p> <p>Route of entry</p>	<p>No information available</p> <p>Not determined</p> <p></p> <p>Not determined</p> <p></p> <p>Not determined</p> <p>Did not cause sensitization on laboratory animals</p> <p>Did not cause sensitization on laboratory animals</p> <p>Not mutagenic in Ames Test</p> <p>Not determined</p> <p>Not determined</p> <p></p> <p>Not determined</p> <p>Not determined</p> <p>Not determined</p> <p>May be harmful if inhaled. Causes respiratory tract irritation</p> <p>May be harmful if swallowed.</p> <p></p> <p>May be harmful if absorbed through skin. Causes skin irritation.</p> <p>Causes eye irritation.</p> <p></p> <p>Known or suspected mutagen. Known or suspected carcinogen for humans.</p> <p>Ingestion. Skin and/or eye contact.</p>
---	---

Ecotoxicity	There are no data on the ecotoxicity of this product.
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Acute Fish Toxicity LC50 – not determined

**Degradability**  
This product is expected to be readily biodegradable.

Bio accumulative potential

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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

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, Authorization 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:	01/28/2018
Risk Phrases in Full	
R34	Causes burns by radioactive decay
R43	May cause sensitisation by skin contact

#### 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 use.

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

### 1.1 Product identifier

Product: DAB Substrate(2x)  
Catalog No.: Component

### 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

Manufactured for StatLab Medical Products  
2090 Commerce Drive  
McKinney, TX 75069  
(800) 442-3573  
Statlab.com

### 1.4 Emergency telephone number

Chemtrec: 800-424-9300 (USA & Canada)  
Chemtrec: 703-527-3987 (International)  
Non-transport: 972-436-1010 (USA)

## 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

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

HYDROGEN PEROXIDE SOLUTION	<1%
CAS-No.: 7722-84-1	EC No.: 231-765-0
Classification (EC 1272/2008)	Classification (67/548/EEC)
Ox. Liq. 1 - H271	R5
Acute Tox. 4 - H302	O; R8
Acute Tox. 4 - H332	C; R35
Skin Corr. 1A - H314	Xn; R20/22
STOT Single 3 H335	
Imidazole	<1%
CAS-No.: 288-32-4	EC No.: 206-019-2
Classification (EC 1272/2008)	Classification (67/548/EEC)
H302	Harmful if swallowed
H319	Causes severe eye irritation
	Xi; R36

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**

Prolonged skin contact may cause redness and irritation.

###### **Eye contact**

May cause temporary 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.

#### **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:	HYDROGEN PEROXIDE SOLUTION	
Workplace Exposure Limit	UK - 8-hour TWA: 1.4 mg/m <sup>3</sup>	UK - 15 min. STEL: 2.8 mg/m <sup>3</sup>

**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
Color	Colorless
Odor	Odorless
pH	Not determined
Solubility	Soluble in water.
Initial boiling point and boiling range	<100 @ 760 mm Hg
Melting point (°C)	~ 0°C
Relative density	~1 g/ml
Vapor density (air=1)	Not determined
Vapor 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



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Flammability Limit - Upper (%)	Not applicable
Partition Coefficient (N-Octanol/Water)	Not determined
Explosive properties	Not applicable
Oxidizing properties	Does not meet the criteria for oxidizing

## 9.2. Other information

None

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

There are no known reactivity hazards associated with this product.

## 10.2. Chemical stability

Stable under normal temperature conditions.

### 10.3. Possibility of hazardous reactions

Not determined

#### 10.4. Conditions to avoid

Avoid exposure to high temperatures or direct sunlight.

## 10.5. Incompatible materials

Materials to Avoid Strong alkalis

### 10.6. Hazardous decomposition products

None under normal conditions

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Toxicological information	No information available
Acute Toxicity (Oral LD50)	Not determined
Skin Corrosion/Irritation:	
Human Skin Model Test	Not determined
Serious eye damage/irritation:	Not determined
Respiratory sensitization	Not determined
Skin sensitization	Not determined
Germ cell mutagenicity (In Vitro):	Not determined
Carcinogenicity	Not determined
Reproductive Toxicity – Fertility	Not determined
Specific target organ toxicity - single exposure:	
STOT - Single exposure	Not determined
Specific target organ toxicity - repeated exposure:	
STOT - Repeated exposure	Not determined
Aspiration hazard	Not determined

In high concentrations, vapors may irritate throat and respiratory system and cause coughing.

## Ingestion

May cause discomfort if swallowed.

## Skin contact

Liquid may irritate skin.

Eye contact

Spray and vapor in the eyes may cause irritation and smarting.

## Health Warnings

Not determined

Route of entry

Ingestion. Skin and/or eye contact.

## SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	There are no data on the ecotoxicity of this product.
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#### 12.1. Toxicity

Acute Fish Toxicity	Not considered toxic to fish
Acute Toxicity – Fish	Not determined

#### 12.2. Persistence and degradability

Degradability  
This product is expected to be biodegradable.

#### 12.3. Bio accumulative potential

Bio accumulative 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**

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, Authorization 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:	01/28/2018
Risk Phrases in Full	
R35	Causes severe burns.
R8	Contact with combustible material may cause fire.
R20/22	Harmful by inhalation and if swallowed.
R5	Heating may cause an explosion.
R36	Irritating to eyes.
R37	Irritating to respiratory system.
Hazard Statements in Full	
H271	May cause fire or explosion; strong oxidizer.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.

**Disclaimer**

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

**1.1 Product identifier**

Product: DAB Chromogen (2x)  
Catalog No.: Component

**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**

Manufactured for StatLab Medical Products  
2090 Commerce Drive  
McKinney, TX 75069  
(800) 442-3573  
Statlab.com

**1.4 Emergency telephone number**

Tel. 925-829-5500 (9 am-6 pm PST, M-F)  
Chemtrec: 800-424-9300 (USA & Canada)  
Chemtrec: 703-527-3987 (International)  
Non-transport: 972-436-1010 (USA)

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1 Classification of the mixture**

Classification (EC 1272/2008)

Physical and Chemical Hazards  
Human health  
Environment  
Carc. Cat. 2;R45. Muta Cat. 3;R68.

Not classified.  
Muta. 2 - H341;Carc. 1B - H350  
Not classified.

Classification (1999/45/EEC)

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

**2.2 Label elements**

Contains BIPHENYL-3,3',4,4'-TETRAYL-TETRAAMINE  
Label in Accordance With (EC) No. 1272/2008



Signal Word

Danger

Hazard Statements

H227  
H303  
H315  
H319  
H335  
H341  
H350

Combustible liquid  
May be harmful if swallowed  
Causes skin irritation  
Causes serious eye irritation  
May cause respiratory irritation  
Suspected of causing genetic defects.  
May cause cancer.

Precautionary Statements

P202  
P280  
P308+313

Do not handle until all safety precautions have been read and understood.  
Wear protective clothing, gloves, eye and face protection.  
IF exposed or concerned: Get medical advice/attention.

**2.3 Other information**

None

### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

BIPHENYL-3,3',4,4'-TETRAYL-TETRAAMINE	<1%
CAS-No.: 91-95-2	EC No.: 202-110-6
Classification (EC 1272/2008) Muta. 2 - H341 Carc. 1B - H350	Classification (67/548/EEC) Muta. Cat. 3;R68 Carc. Cat. 2;R45
N-METHYL-2-PYRROLIDONE	<80%
CAS-No.: 872-50-4	EC No.: 212-818-1
Classification (EC 1272/2008) Not classified	Classification (67/548/EEC) [Xn] R22

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

### 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

Immediately rinse mouth and drink plenty of water (200-300 ml). DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Get medical attention.

##### 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

Prolonged skin contact may cause redness and irritation.

##### Eye contact

May cause temporary eye irritation.

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

No specific first aid measures noted. Treat Symptomatically.

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1. Extinguishing media

##### Extinguishing media

Fire can be extinguished using: Water spray. Foam. Powder.

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

##### Specific hazards

The product is non-combustible. If heated, irritating vapors may be formed. Hydrogen chloride (HCl). When heated and in case of fire, very toxic nitrogen oxides are formed.

#### 5.3. Advice for firefighters

Protective equipment for fire-fighters

---

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

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

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

Stop leak if possible without any risk. Remove or isolate all sources of ignition. Wear protective clothing as described in Section 8 of this safety data sheet.

### **6.2. Environmental precautions**

Do not allow to enter drains, sewers or watercourses.

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

Absorb spillage with suitable absorbent material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. 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. For waste disposal, see section 13.

## **SECTION 7: HANDLING AND STORAGE**

### **7.1. Precautions for safe handling**

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded. Avoid inhalation of vapors/spray and contact with skin and eyes. Wash contaminated clothing before reuse.

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

Store in tightly closed original container in a dry, cool and well-ventilated place. 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: N-METHYL-2-PYRROLIDONE

Workplace Exposure Limit: 10 ppm

### **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**

## SAFETY DATA SHEET

### DAB CHROMOGEN (2x)

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Appearance	Liquid
Color	Light brown/purple
Odor	Odorless
pH	Not determined
Solubility	Soluble in water.
Initial boiling point and boiling range	<100 @ 760 mm Hg
Melting point (°C)	~ 0°C
Relative density	~1 g/ml
Vapor density (air=1)	Not determined
Vapor 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
Partition Coefficient (N-Octanol/Water)	Not determined
Explosive properties	Not applicable
Oxidizing properties	Does not meet the criteria for oxidizing

#### 9.2. Other information

None

### SECTION 10: STABILITY AND REACTIVITY

#### 10.1. Reactivity

There are no known reactivity hazards associated with this product.

#### 10.2. Chemical stability

Stable under normal temperature conditions.

#### 10.3. Possibility of hazardous reactions

Hazardous Polymerization Will not polymerize

#### 10.4. Conditions to avoid

Avoid exposure to high temperatures or direct sunlight.

#### 10.5. Incompatible materials

Materials to Avoid Strong alkalis

#### 10.6. Hazardous decomposition products

Oxides of: Carbon. Nitrogen

### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1. Information on toxicological effects

Toxicological information No information available

Acute toxicity: Acute Toxicity (Oral LD<sub>50</sub>)  
Mouse 1834 mg/kg

Skin Corrosion/Irritation:

Human Skin Model Test Not determined

Serious eye damage/irritation: Not determined

Respiratory sensitization Not determined

Skin sensitization Not determined

Germ cell mutagenicity (Invitro) Not determined

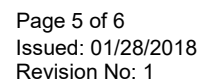
Carcinogenicity Not determined

Reproductive Toxicity – Fertility Not determined

Specific target organ toxicity - single exposure:

STOT - Single exposure Not determined

Specific target organ toxicity - repeated exposure:



## SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	There are no data on the ecotoxicity of this product.
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### 12.1. Toxicity

Acute Toxicity – Fish	Not determined
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## 12.2. Persistence and degradability

**Degradability**  
There are no data on the degradability of this product. This product is expected to be not readily biodegradable.

### 12.3. Bio accumulative potential

Bio accumulative potential	No data available on bioaccumulation. The product does not contain any substances expected to be bioaccumulating.
Partition coefficient	Not determined

## 12.4. Mobility in soil

Mobility: The product is soluble in water.

### 12.5. Results of PBT and vPvB assessment

Not expected to be PBT or vPvB

### 12.6. Other adverse effects

Not determined

## SECTION 13: DISPOSAL CONSIDERATIONS

General information

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

### 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**

Not applicable.

**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

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, Authorization 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: 01/28/2018

Risk Phrases in Full

R22 Harmful if swallowed

R45 May cause cancer.

R68 Possible risk of irreversible effects.

Hazard Statements in Full

H227 Combustible liquid

H303 May be harmful if swallowed

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

H350 May cause cancer.

H341 Suspected of causing genetic defects.

**Disclaimer**

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

**1.1 Product identifier**

Product: Hematoxylin  
Catalog No.: Component

**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**

Manufactured for StatLab Medical Products  
2090 Commerce Drive  
McKinney, TX 75069  
(800) 442-3573  
Statlab.com

**1.4 Emergency telephone number**

Chemtrec: 800-424-9300 (USA & Canada)  
Chemtrec: 703-527-3987 (International)  
Non-transport: 972-436-1010 (USA)

**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 ACETIC ACID GLACIER  
Label in Accordance With (EC) No. 1272/2008



Signal word: Warning

Hazard statement(s)	H302 H315 H319	Harmful if swallowed. Causes skin irritation. Causes serious eye irritation.
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Precautionary statement(s)	P305+ P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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**2.3 Other information**

None

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

ACETIC ACID GLACIER	<2%
CAS:64-19-7	EC No.: 200-580-7
Classification (EC 1272/2008)	Classification (67/548/EEC)
H226	C: R10, R35
H314	
HEMATOXYLIN	<1%
CAS: 517-28-2	EC No: 208-237-3

Classification (EC 1272/2008)  
Not Classified

Classification (67/548/EEC)  
Not Classified

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

#### **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.

### 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: ACETIC ACID GLACIER  
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.

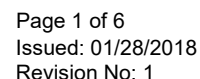
Skin protection

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
Color	Light blue
Odor	Odorless
pH	Not determined
Solubility	soluble in water.
Initial boiling point and boiling range	Not determined
Melting point (°C)	Not determined
Relative density	Not determined
Vapor density (air=1)	Not determined
Vapor pressure	Not determined
Evaporation rate	Not determined
Viscosity	Not determined
Solubility Value (G/100G H <sub>2</sub> O@20°C)	Not determined



## SECTION 12: ECOLOGICAL INFORMATION



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

Guidance Notes

Workplace Exposure Limits EH40.

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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, Authorization 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:	01/28/2018
Risk Phrases in Full	
R10	Flammable
R22	Harmful if swallowed
R35	Cause severe burns
R36/37/38	Irritating to eyes, respiratory system and skin
Hazard Statements in Full	
H302	Harmful if swallowed.
H315	Causes skin irritation
H319	Causes serious eye irritation.
H226	Flammable liquid and vapor
H314	Skin irritating

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