



KEY SCIENTIFIC PRODUCTS  
1113 EAST REYNOLDS ST.  
STAMFORD, TEXAS 79553  
WWW.KEYSCIENTIFIC.COM  
Voice 800-843-1539  
Fax 888-440-4208

## Safety Data sheet

### 1 Identification

#### GHS Product Identifier

**Catalog Number / Product Name: Multiple**  
K2375 PEP Reagent DMACA Spot Indole  
K982375 Dropit PEP (Spot indole DMACA)

#### Other means of identification

K2375 PEP Reagent DMACA Spot Indole  
K982375 Dropit PEP (Spot indole DMACA)

#### Recommended use of the chemical and restriction on use

For invitro diagnostic use only by trained professionals.

#### Supplier's details

##### Manufacturer / Supplier:

Key Scientific Products, Inc.  
1113 East Reynolds Street  
Stamford, TX 79553

Phone Number: 1-800-843-1539  
Emergency Phone Number: none available.

### 2 Hazard(s) identification

#### Classification of the substance or mixture

Skin irritation (Category 2), H315  
Skin corrosion (Category 1B), H314  
Eye irritation (Category 2A), H319  
Serious eye damage (Category 1), H318  
Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335  
Acute aquatic toxicity (Category 2), H401  
Chronic aquatic toxicity (Category 2), H411  
Corrosive to metals (Category 1), H290

#### GHS label elements

Danger



Causes skin irritation

Causes severe skin burns and eye damage

Causes serious eye irritation

Causes serious eye damage

May cause respiratory irritation

Toxic to aquatic life

Toxic to aquatic life with long lasting effects

May be corrosive to metals

Keep only in original container.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wash skin thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Avoid release to the environment.

Wear protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN: Wash with plenty of soap and water.

IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower.

IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER or doctor/physician.

Call a POISON CENTER or doctor/physician if you feel unwell.

Specific treatment (see supplemental first aid instructions on this label).

If skin irritation occurs: Get medical advice/attention.

IF eye irritation persists: Get medical advice/attention.

Take off contaminated clothing and wash before reuse.

Wash contaminated clothing before reuse.

Absorb spillage to prevent material damage.

Collect spillage.

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Store in corrosive resistant/ lined container with a resistant inner liner.

Dispose of contents/container to an approved waste disposal plant.

#### **Other hazards which do not result in classification**

None

### **3 Composition/information on ingredients**

<b>Description</b>	<b>CAS Number</b>	<b>EINECS Number</b>	<b>%</b>	<b>Note</b>
4-Dimethylaminocinnamaldehyde	6203-18-5	228-267-0	0.08	
Hydrochloric acid	7647-01-0	231-595-7	1.53	

### **4 First-aid measures**

#### **Description of necessary first-aid measures**

##### **General advise**

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**Eyes:** In case of contact with eyes, rinse immediately with water for 10-15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

**Ingestion:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**Inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**Skin:** Take off contaminated clothing and shoes immediately. Wash thoroughly with soap and plenty of water. Consult a physician.

**Most important symptoms/effects, acute and delayed**

Most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

**Indication of immediate medical attention and special treatment needed, if necessary**

No data available.

## 5 Fire-fighting measures

**Suitable extinguishing media**

Use waterspray, CO<sub>2</sub>, foam, or dry powder as the extinguisher medium.

**Specific hazards arising from the chemical**

Carbon oxides, nitrogen oxides.

**Special protective actions for fire-fighters**

Wear self-contained breathing apparatus if needed.

## 6 Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist, dust, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.

**Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**Methods and materials for containment and cleaning up**

Soak up with inert absorbent material and dispose of as hazardous waste.

## 7 Handling and storage

**Precautions for safe handling**

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Avoid inhalation of vapor or mist. Provide adequate ventilation at places where dust is formed. Normal measures for fire protection. For precautions see section 2.2.

**Conditions for safe storage, including any incompatibilities**

Keep container tightly closed in a dry and well ventilated place.  
Recommended storage temperature - 30° C.

## 8 Exposure controls/personal protection

**Control parameters**

**Components with workplace control parameters**

Component	CAS#	Value	Control parameters	Basis
Hydrochloric acid	7647-01-0	C	2 ppm	ACGIH (US) Theshhole Limit Values (TLV)
	Remarks		Upper respiratory Tract irritation Not classified as a human carcinogen	
		C	5 ppm 7 mg/m3	NIOSH (US) Recommended Exposure Limits
			Often used in an aqueous solution	
		C	5 ppm 7 mg/m3	OSHA (US) Occupational Exposure Limits- Table Z-1 Limits for Air Contaminants
			The value mg/m3 is approximate. Ceiling limit is to be determined from breathing-zone air samples.	
		PEL	.03 ppm .45 mg/m3	California permissible exposure limits for chemical contaminants (Title 8, Article 107)
		C	2 ppm	California permissible exposure limits for chemical contaminants (Title 8, Article 107)

### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practices. Wash hands before breaks and at the end of workday.

### Individual protection measures

#### Eye/face protection

Tightly fitting safety glasses with side shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or en 166 (EU).

#### Skin protection

Handle with gloves. Gloves must be inspected before use. Use proper glove removal technique (without touching gloves's outer surface) to avoid skin contact with product. Dispose of cantaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

#### Body protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-space.

#### Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type P95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (UN).

#### Control of environmental exposure

Do not let product enter drains.

## 9 Physical and chemical properties

### Physical and chemical properties

**Appearance:**

**Form:** liquid

<b>Odor:</b>	<b>Color:</b> light yellow pungent
<b>Odor Threshold:</b>	No data available
<b>pH:</b>	No data available
<b>Melting point/freezing point:</b>	Melting point/range: 138-140 °C (280-284 °F)
<b>Melting point:</b>	No data available
<b>Flash Point:</b>	No data available
<b>Evaporation rate:</b>	No data available
<b>Flammability:</b>	No data available
<b>Upper/lower flammability/explosion limits:</b>	No data available
<b>Vapor Pressure:</b>	No data available
<b>Vapor density:</b>	No data available
<b>Relative density:</b>	No data available
<b>Water solubility:</b>	No data available
<b>Partition coefficient (n-octal/water):</b>	No data available
<b>Auto-ignition temperature:</b>	No data available
<b>Decomposition temperature:</b>	No data available
<b>Viscosity:</b>	No data available
<b>Explosive Properties:</b>	No data available

## 10 Stability and reactivity

### Reactivity

No data available.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

No data available.

### Conditions to avoid

No data available.

### Incompatible materials

Strong oxidizing agents, Strong bases.

### Hazardous decomposition products

Other decomposition products-No data available.  
In the event of a fire, see Section 5.

## 11 Toxicological information

### Toxicological (health) effects

#### Acute toxicity:

Inhalation: No data available.

Dermal: No data available.

#### Skin corrosion/irritation

Causes skin irritation. Harmful if absorbed through the skin.

#### Serious eye damage/eye irritation

Causes eye irritation.

**Respiratory or skin sensitisation**

Harmful if ingested or inhaled. Causes irritation to respiratory system .

**Germ cell mutagenicity**

No data available.

**Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by OSHA.

**Reproductive toxicity**

No data available.

**Specific organ toxicity - single exposure**

Inhalation-May cause respiratory irritation.

**Specific organ toxicity - repeated exposure**

No data available.

**Additional information**

RTECS: MW4025000

Inhalation of vapors may cause: Burning sensation, Cough, Wheezing, Shortness of breath, Spasm, Inflammation and edema of the larynx, Pneumonitis, Pulmonary edema (Hydrochloric acid). To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**12 Ecological information**

**Toxicity**

Toxicity to fish: LC50-Pimephales promelas (fathead minnow)-5.9 mg/l -96 h

**Persistence and degradability**

No data available.

**Bioaccumulative potential**

PBT/vPvB assessment not available as chemical safety assessment no required/not conducted.

**Mobility in soil**

No data available.

**Other adverse effects**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
 Toxic to aquatic life.

**13 Disposal considerations****Disposal methods****Product**

Uninoculated items may be discarded as normal waste.  
 Inoculated waste should be discarded in a manner appropriate for biological hazards.

**Contaminated Packaging**

Dispose of as unused product.

**14 Transport information****UN Number****DOT (US)**

Not dangerous goods.

**IMDG**

Not dangerous goods.

**IATA**

Not dangerous goods.

**15 Regulatory information****Safety, health and environmental regulations specific for the product in question****SARA 302 Components**

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components**

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimus) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards**

Acute health hazard.

**Massachusetts Right To Know Components**

	CAS#	Revision Date
Hydrochloric acid	7647-01-0	02/08/2013
4-Dimethylaminocinnemaldehyde	6203-18-5	

**Pennsylvania Right To Know Components**

	CAS#	Revision Date
Hydrochloric acid	7647-01-0	02/08/2013
4-Dimethylaminocinnemaldehyde	6203-18-5	

**New Jersey Right To Know Components**

	CAS#	Revision Date
Hydrochloric acid	7647-01-0	02/08/2013
4-Dimethylaminocinnemaldehyde	6203-18-5	

**California Prop. 65 Components**

These products do not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**16 Other information****Other information**

The above information, to the best of our knowledge, is accurate. Key Scientific Products assumes no liability whatsoever for the accuracy or completeness of the information stated above. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards may be described, we cannot guarantee that these are the only hazards that exist.