KEY SCIENTIFIC PRODUCTS
1113 EAST REYNOLDS ST.
STAMFORD, TEXAS 79553
WWW.KEYSCIENTIFIC.COM
Voice 800-843-1539
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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 instrucions on this label).

If skin irritation occurs: Get medical advice/attention.

IF eye irritation persists: Get medical advice/attention.

Take offcontaminated 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 am approved waste disposal plant.

Other hazards which do not result in classification

None

3 Composition/information on ingredients

Description	CAS Number	EINECS Number	%	Note
4-Dimethylaminocinnemaldehyde	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 attandance. 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 tranport 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. It not breathing, give artifial respiration. Consult a physician.

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

Most important symptoms/effects, acute and delayed

Most important known symptoms and affects 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, CO2, 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 spilage 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 componenents 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

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

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human cancinogen 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 dicarded 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 desribed, we cannot guarantee that these are the only hazards that exist.