

Safety Data Sheet

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|-------------------------|---------------------------------|--------------------|
| Doc ID: SDS-0123 | Effective Date: 1/5/2022 | Revision: A |
| Trade name | DAPI K108 | |

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

| | |
|-------------------|---|
| Trade name | DAPI |
| Cat ## | K 108 |
| Components | DAPI(2-(4-Amidinopheyl)indole-6-carboxamidine Dihydrochloride), Ethylene glycol |
| EC | 249-186-7, 203-473-3 |
| CAS | 28718-90-3, 107-21-1 |

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

| |
|--------------------------|
| Liquid in plastic bottle |
|--------------------------|

1.3 Details of the supplier of the safety data sheet

| |
|--|
| Diagnostic BioSystems, Inc. 6616 Owens Drive Pleasanton, CA 94588 (925) 484-3350 Customersupport@dbiosys.com |
|--|

1.4 Emergency telephone number

| |
|-----|
| N/A |
|-----|

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

| COMPONENT 1 | | | |
|--|--|----------|---|
| | Hazard Class | Category | Hazard Statements (for pure substances) |
| DAPI(2-(4-Amidinopheyl)indole-6-carboxamidine Dihydrochloride) | Skin sensitization | 1 | H317 |
| Ethylene glycol | Acute toxicity, Oral Specific target organ toxicity - repeated exposure, Oral | 4 2 | H302 H373 |

2.2 Label elements

| | |
|--------------------|--|
| Signal Word | Warning |
| Pictogram |  |

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|-----------------------|-----|
| H-Statements | N/A |
| P-Statements | N/A |
| EUH-Statements | N/A |

2.3 Other hazards

| |
|-----|
| N/A |
|-----|

SECTION 3: Composition/information on ingredients

| Name | Identifiers | Classification according to CLP | Classification (for pure substances) |
|--|----------------------------------|---------------------------------|--|
| DAPI(2-(4-Amidinopheyl)indole-6-carboxamidine Dihydrochloride) | EC: 249-186-7 CAS: 28718-90-3 | Concentration: ≤1% | Skin Irritation. Skin sensitization H315, H317, H335 |
| Ethylene glycol | EC :203-473-3 CAS :107-21-1 | Concentration: ≤0.035% | Acute toxicity H302, H373 |

SECTION 4: First aid measures

4.1 Description of first aid measures

| | |
|---|--|
| If inhaled | If breathed in, move person into fresh air. If not breathing, give artificial respiration. |
| If on skin | Take off immediately all contaminated clothing. Rinse skin with water/ shower |
| If in eyes | Flush eyes with water as a precaution |
| If swallowed | Never give anything by mouth to an unconscious person. Rinse mouth with water. |
| Self-protection of the first aider | N/A |

4.2 Most important symptoms and effects, both acute and delayed

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| N/A |
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4.3 Indication of any immediate medical attention and special treatment needed

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| N/A |
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SECTION 5: Firefighting measures

5.1 Flammable Properties

| | |
|--|-----|
| Flash point | N/A |
| Flash point method | N/A |
| Autoignition temperature | N/A |
| Upper flame limit (volume % in air) | N/A |
| Lower flame limit (volume % in air) | N/A |
| Flame propagation rate (solids) | N/A |

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|--------------------------------|-----|
| Osha flammability class | N/A |
|--------------------------------|-----|

5.2 Extinguishing media

| | |
|---------------------------------------|--|
| Suitable extinguishing media | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| Unsuitable extinguishing media | N/A |

5.3 Special hazards arising from the substance or mixture

| | |
|--------------------------------------|--|
| Hazardous combustion products | Vapors are heavier than air and may spread along floors. |
| Other information | Avoid inhalation of toxic fumes. |

5.4 Advice for firefighters

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| Wear self-contained breathing apparatus for firefighting if necessary. |
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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

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|---------------------------------|---|
| Protective equipment | Ensure adequate ventilation Eye Protection: Wear goggles or safety glasses Hand protection: Wear latex or vinyl gloves Other protective equipment: Use lab coat or apron to prevent contact with eyes, skin and clothing |
| Emergency procedures | N/A |
| For emergency responders | N/A |

6.2 Environmental precautions

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|-------------------------------------|
| Do not allow to enter sewage system |
|-------------------------------------|

6.3 Methods and material for containment and cleaning up

| | |
|--------------------------|--|
| For containment | N/A |
| For cleaning up | Sweep up and shovel. Keep in suitable, closed containers for disposal. |
| Other information | N/A |

6.4 Reference to other sections

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| N/A |
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SECTION 7: Handling and storage

7.1 Precautions for safe handling

| | |
|---------------------------------|-----|
| Measures to prevent fire | N/A |
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|--|---|
| Measures to prevent aerosol and dust generation | N/A |
| Measures to protect the environment | N/A |
| Advice on general occupational hygiene | Wear personal protective equipment. Ensure adequate ventilation. Do not breathe vapors or spray mist. Avoid contact with skin and eyes. Do not ingest. Do not eat, drink when handling this product, and wash hands after handling. |

7.2 Conditions for safe storage, including any incompatibilities

| | |
|---|-------------------|
| Technical measures and storage conditions | Store at -20 °C. |
| Packaging materials | Dark Amber bottle |
| Requirements for storage rooms and vessels | N/A |
| Storage class | N/A |
| Other information | N/A |

7.3 Specific end use(s)

| | |
|---|-----|
| Recommendations | N/A |
| Industrial sector specific solutions | N/A |

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

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|--|
| <p>This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies. Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.</p> |
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8.2 Exposure controls

| | |
|---------------------------------|--|
| Respiratory Protection | Use in well-ventilated laboratory |
| Skin and body protection | Wear appropriate protective gloves and clothing to prevent skin exposure |
| Eye/face Protection | Wear appropriate protective eyeglasses or chemical safety goggles |
| Hygiene Measures | Handle in accordance with good industrial hygiene and safety practice |

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

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|---|---------------|
| Appearance | Clear, Liquid |
| Odor | Odorless |
| Order Threshold | N/A |
| pH | N/A |
| Melting Point/ Freezing Point | N/A |
| Initial Boiling Point/ Freezing Point | N/A |
| Flash Point | N/A |
| Evaporation Rate | N/A |
| Flammability | N/A |
| Upper/Lower Flammability or Explosive Limits | N/A |
| Vapor Pressure | N/A |
| Vapor Density | N/A |
| Relative Density | N/A |
| Solubility | N/A |
| Partition Coefficient: n-octanol/water | N/A |
| Auto-Ignition Temperature | N/A |
| Decomposition temperature | N/A |
| Viscosity | N/A |
| Explosive Properties | N/A |
| Oxidizing Properties | N/A |

9.2 Other Information

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|-----|
| N/A |
|-----|

Section 10: Stability and Reactivity

10.1 Reactivity

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| N/A |
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10.2 Chemical Stability

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|---|
| Stable under recommended storage conditions |
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10.3 Possibility of Hazardous Reactions

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| N/A |
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10.4 Conditions to Avoid

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|---|
| Strong prolonged heat and contact with incompatible materials |
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10.5 Incompatible Materials

| |
|------------------|
| various plastics |
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10.6 Hazardous Decomposition Products

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| N/A |
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SECTION 11: Toxicological Information

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|---|-----|
| 4',6-diamidino-2-phenylindole dihydrochloride (in pure form): N/A | |
| Common route of entry | N/A |
| Potential Effects of Acute Exposure | N/A |
| Potential Effects of Chronic Exposure | N/A |
| Symptoms of Overexposure | N/A |
| Ethylene glycol (in pure form): Acute toxicity: LD50 Oral - 500.1 mg/kg Oral: (Regulation (EC) No 1272/2008, Annex VI) | |
| Common route of entry | N/A |
| Potential Effects of Acute Exposure | N/A |
| Potential Effects of Chronic Exposure | N/A |
| Symptoms of Overexposure | N/A |

SECTION 12: Ecological Information

12.1 Toxicity

Preservatives normally are toxic for aquatic organisms when using pure substances. No ecological problems are to be expected when this product is handled and used with care and attention.

12.2 Persistence and Degradability

N/A

12.3 Bioaccumulative potential

N/A

12.4 Mobility in Soil

N/A

12.5 Results of PBT and vPvB Assessment

N/A

12.6 Other Adverse Effects

N/A

SECTION 13: Disposal Considerations

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13.1 Waste Treatment Methods

Dispose of waste product, unused product and contaminated packaging in compliance with federal, state and local regulations. If unsure of the applicable requirements, contact the authorities for information.

SECTION 14: Transport Information

14.1 Un Number

N/A

14.2 Un Proper Shipping Name

N/A

14.3 Transport Hazard Class (es)

N/A

14.4 Packing Group

N/A

14.5 Environmental Hazards

N/A

14.6 Special Precautions for User

N/A

14.7 Transport in Bulk according to Annex II of MARPOL73/78 and the IBC Code

N/A

SECTION 15: Regulatory Information

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

The product does not contain a hazardous ingredient in an amount that requires identification and labeling according to EC directives.

15.2 Chemical Safety Assessment

N/A

SECTION 16: Other Information

This information is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with

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respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information of their particular purposes.