

MATERIAL SAFETY DATA SHEET**Product name:**

DAPI Counterstain (1500ng/ml)

Catalog number:

U0031

1. Composition/Information on Ingredients

| Component | Size |
|-------------------|------------|
| DAPI Counterstain | 2 x 0.5 mL |

2. Hazards Identification

| CAS# | Chemical Name | Concentration | EINECS/ELINCS |
|----------|--------------------|---------------|---------------|
| 106-50-3 | p-Phenylenediamine | 0.1% | N/A |

3. First Aid Measures

First aid personnel should ensure self-protection.

In case of skin contact: Wash in water.

In case of eye contact: Rinse under the stream while opened one's eyes for several minutes, and receive the evaluation by a doctor.

In case of ingestion: Receive the evaluation by a doctor when the symptom continues.

In case of inhalation: Receive the evaluation by a doctor when fresh air is supplied, and the symptom is seen.

4. Fire Fighting Measures

Extinguishing media: Fogged bubble, alcohol-proof of bubble, powdery carbon dioxide, dryness sand. Prevent contact with skin and eyes.

Peculiar extinction method: The fire foam for the injection water or the water solubility liquid is used for a fire with a large scale.

5. Accidental Release Measures

Use appropriate protective equipment and methods to clean up spilled substances promptly. Collect and dispose of all waste in accordance with applicable laws. Spilled material should be carefully wiped up with water and removed.

6. Handling and StorageHandling

Technical measures: Special measures against the explosion and a fire are unnecessary

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Local ventilation and general ventilation: Information none

Notes: Information none

Safety treatment notes: The special attention is unnecessary when correctly used.

Storage

Refer to the packaging insertion or the product label for the additional information on keeping.

Appropriate keeping condition: Avoid heat and direct sunshine.

Safe container wrapping material: Information none

7. Exposure controls/personal protection

Equipment measures: Information none

Management density: It is not set.

Allowable concentration:

| | |
|----------------------------|---|
| Dangerous, harmful element | ACGIH (2008 versions) |
| p-phenylenediamine | Time weighted average (TWA) 0.1 Mg/m ³ |

Protective equipment

| | |
|---|--|
| Protective equipment of respiratory organ | It is indoors of the ventilation well unnecessary. Take an appropriate preventive action when the density of the chemical exceeds the exposure limit. |
| Protective equipment of hand | Wear impermeable gloves. |
| Protective eyewear | It is preferable to wear the safety glasses etc. |
| Protective equipment of skin and body | It is preferable to wear an experiment clothes or other appropriate protection clothes. |
| Appropriate sanitary requirement | According to handling procedure of standard chemical |

8. Physical and Chemical Properties

| | |
|--|--|
| Shape: | liquid |
| Color: | purple |
| Smell: | scentless |
| pH: | 7 (20°C) |
| Melting point/freezing point: | Information none |
| Boiling point, initial boiling point, and range of boil: | Information none |
| Flash point inflammability: | None |
| Autogenous ignition temperature (fire point) : | Autogenous ignition none (400°C) |
| Upper bound/lower bound in combustion or range of explosion: | Explosion hazard none |
| Vapor pressure: | Information none |
| Steam density: | Information none |
| Specific gravity (relative density): | 1.1 g/cm ³ (20°C) |
| Dissolubility: | To water: It completely has the miscibility. |
| N-octanol-water partition coefficient | Information non |

Decomposition temperature:

Information non

9. Stability and Reactivity

Stability: If it is use the same as specifications, it doesn't resolve it.

Dangerous, harmful, reactive possibility: A dangerous, harmful reaction is not reported.

Condition that should be avoided: Information none

Dangerous, harmful resolution product: A dangerous, harmful resolution product is not reported.

10. Toxicological Information

Acute toxicity: Information none

Skin corrosivity/stimulation: None stimulation

Serious damage/stimulation to eyes: None

Respiratory organ sensitizing potential or skin: The feeling work character feeling work character is not reported.

Extra information: A strong causticity is shown in the mouth and the throat by swallowing, and the danger of the gullet and the perforation of stomach is beckoned.

11. Ecological information

Do not infiltrate the product that has not been diluted or the product that doesn't neutralize to drainage or the drainage trench.

12. Disposal guidelines

This product does the consignment processing to the waste management trader who obtains permission.

13. Transport information

International restriction

Land ADR (agreement of European dangerous article over-the-road hauling): It doesn't correspond.

Land RID (European dangerous article railway transportation rule): There is no limitation in transportation.

Sea IMDG (international sea dangerous article rule): It doesn't correspond.

Seawater pollution material: Non-correspondence

Airlines ICAO-TI (Convention on International Civil Aviation technological indicator): It doesn't correspond.

Airlines IATA-DGR (International Air Transport Association dangerous article rule): There is no limitation in transportation.

The United Nations classification: It doesn't correspond.

The United Nations number: It doesn't correspond.

14. Regulatory information

Observe the general safety regulations when handing chemicals. No single component contains a hazardous ingredient in
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an amount that requires identification and labelling.

15. Other

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Abnova shall not be held liable for any damage resulting from handling or from contact with the above product.