

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product (material) Name: DAPI, fluorescent dye (powder). Catalogue # C043.
Other Names:
Recommended Use: DNA binding solution.

Supplier Name: ProSciTech
Postal Address: PO Box 111, Thuringowa Central Qld. 4817 Australia
Street Address: 1/11 Carlton Street, Kirwan, Qld. 4817 Australia
Telephone Number: (07) 4773 9444
Fax Number: (07) 4773 2244
Emergency Contact: (07) 4773 9444 8:30am – 5:00pm, Monday to Friday

SECTION 2 - HAZARDS IDENTIFICATION

Hazard Classification: Hazardous according to criteria of NOHSC.
Risk Phrases: R36/37/38: Irritating to eyes, respiratory system and skin.
Safety Phrases: S26-36: In case of contact with eyes and/or skin rinse immediately with plenty of water and seek medical advice. Remove contaminated clothing. Do not empty into drains. Never add water to this product. Take precautionary measures against static discharges. Dispose of the material and container in a safe way. Wear suitable protective clothing.

SECTION 3 - COMPOSITION /INFORMATION ON INGREDIENTS

SUBSTANCE:

Chemical Identity: DAPI, fluorescent dye (powder)
Common Name(s): 4', 6-Diamindino-2-Poheylindole Dihydrochloride
CAS Number(s): 28718-90-3

MIXTURE:

Ingredients	Cas Number(s)	Proportion (%)
4', 6-Diamindino-2-POheylindole Dihydrochloride	28718-90-3	99
Acetone	67-64-1	1

SECTION 4 - FIRST AID MEASURES

Swallowed: If person is conscious, wash out mouth with water. Never give anything by mouth to an unconscious person. DO NOT induce vomiting. Seek medical attention.

Eye: Immediately flush eyes with plenty of water for at least 15 minutes. Contact a doctor if irritation occurs/persists.

Skin: Remove contaminated clothing and wash affected areas of skin with plenty of soap and water. Wash clothing before reuse. Seek medical attention if irritation occurs/persists.

Inhaled: Remove person to fresh air. If not breathing give artificial respiration, if breathing is difficult give oxygen. Seek immediate medical attention.

First Aid Facilities: Safety shower, eyebath.

Medical Attention & Special Treatment:

ADDITIONAL INFORMATION:

SECTION 5 - FIRE FIGHTING MEASURES

Suitable Extinguishing Media:	Water spray, carbon dioxide, dry chemical powder or appropriate foams.
Hazards from Combustion Products:	Emits toxic fumes under fire conditions.
Precautions for Fire Fighters:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin/eyes.
Hazchem Code:	

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Emergency Procedures:	
Containment and clean up:	Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Avoid raising dust. Sweep up material and place in a bag for waste disposal. Ventilate the area and wash spill site after material pickup is complete.

SECTION 7 - HANDLING & STORAGE

Precautions for Safe Handling:	Do not breathe dust. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Use in a well ventilated area.
Conditions for Safe Storage:	Keep lid tightly closed and avoid light. Store at -20°C.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards:	No exposure standard allocated.
Biological Limit Values:	No biological limit allocated.
Engineering Controls:	Local mechanical exhaust required.
Personal Protective Equipment:	Use NIOSH/MSHA approved respirator. Wear chemical resistant gloves, protective clothing and chemical safety goggles.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Solid yellow powder.
Odour:	Not available.
pH:	Not available.
Vapour pressure:	Not available.
Vapour density:	Not available.
Boiling point/range:	Not available.
Freezing/melting point:	Not available.
Solubility:	Soluble.
Specific gravity or density:	Not available.
Flash Point:	Not available.
Flammable (explosive) limits:	Not available.
Ignition temperature:	Not available.
Additional Information:	

SECTION 10 - STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions of use.
Conditions to avoid:	
Incompatible Materials:	Strong oxidising agents.
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide, nitrogen oxides and hydrogen chloride gas.
Hazardous Reactions:	

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute and chronic health effects:	
Possible routes of exposure:	Skin/eye contact, ingestion, inhalation.
Range of effects following exposure:	Irritation to the skin /eye. Irritation to the mucous membranes and upper respiratory tract.
Dose likely to cause injury:	
Delayed effects:	
Relevant negative data:	

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity:

Persistence and degradability:

Mobility:

Additional Information:

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Methods: Contact a licensed professional waste disposal service for disposal.

Special Precautions:

SECTION 14 - TRANSPORT INFORMATION

UN Number:

UN Proper Shipping Name:

Class and Subsidiary risk:

Packing Group:

Special Precautions for User:

Hazchem Code:

SECTION 15 - REGULATORY INFORMATION

Poison Schedule Number: None allocated

SECTION 16 - OTHER INFORMATION

Date of preparation of MSDS: 16 April 2008
