

## SAFETY DATA SHEET (SDS)

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name: Phantom Dye UV 450 Viability Dye  
Catalog Number: PD00003  
Company/undertaking Identification:  
Proteintech Group  
5400 Pearl Street  
STE 300  
Rosemont, IL 60018  
312-455-8498

Emergency telephone number:  
312-455-8498, ext 802

### 2. HAZARDOUS IDENTIFICATION:

#### GHS – Classification

Signal Word: None  
Hazard pictograms: None  
Health hazards: Not Hazardous  
Physical hazards: Not Hazardous  
Environmental hazards: Not Hazardous  
Hazard Statements: Not Applicable

#### Precautionary Statements

Prevention: Not Applicable  
Response: Not Applicable  
Storage: Not Applicable  
Disposal: Not Applicable  
Other hazards: Not Applicable

#### HMIS

Health: 1  
Flammability: 2  
Reactivity: 0

### 3. INGREDIENT COMPOSITION/INFORMATION:

Dimethylsulfoxide	Cas#67-68-5
-------------------	-------------

### 4. FIRST AID MEASURES:

Skin Contact	Wash off skin thoroughly with soap and water. Remove contaminated clothing and wash before reuse.
Eye Contact	Ensure adequate flushing of eye contamination for at least 15 minutes.
Inhalation	Remove from exposure, rest and keep warm.
Ingestion	Wash mouth out thoroughly with water and drink plenty of water.

Most important symptoms and effects: both acute and delayed Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain, or flushing.

Indication of any immediate medical attention and special treatment needed:  
Treat symptomatically.  
Advice for emergency responders: For further assistance, contact your local Poison Control Center.  
Protection of first-aid responders: Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

### 5. FIRE FIGHTING MEASURES:

Suitable extinguishing media: Water Spray, Carbon Dioxide, Dry Chemical Powder, or appropriate foam.  
Unsuitable extinguishing media: No information available

Special hazards arising from the substance or mixture: Not known.  
Advice for fire-fighters: Standard procedure for chemical fires

### 6. ACCIDENTAL RELEASE MEASURES:

Wear appropriate personal protective clothing (Section 8). Mop up with an absorbent cloth and arrange removal by a disposal company. Wash site of spillage thoroughly with water and detergent and prevent further leakage or spillage if safe to do so. No special environmental precautions required.

### 7. HANDLING AND STORAGE:

Use only in area provided with exhaust ventilation. Avoid contact with skin, eyes and clothing. Wear appropriate protective clothing (Section 8).  
Keep container tightly closed, and in a dark, well-ventilated area. Store at -20°C.

### 8. EXPOSURE CONTROLS/PPE:

Follow good laboratory practice when handling this product.  
Hygiene measures: Handle in accordance with good industrial hygiene and safety practice  
**Recommended personal protection equipment**  
Eye protection: Laboratory safety goggles.  
Hands: Chemical resistant gloves.  
Skin: Laboratory protective clothing.  
Respiratory: Fume hood or in areas with adequate ventilation.

**Control Parameters:**  
Not applicable

### 9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance: Colorless liquid  
Odor: None  
Melting point/melting range: Untested  
Boiling point/boiling range: Untested  
Flash point: Untested  
Autoignition temperature: Untested  
Decomposition temperature: Untested  
Evaporation rate: Untested  
Flammability: Untested  
Upper explosion limit: Untested  
Lower explosion limit: Untested  
Vapor pressure: Untested  
Relative density: Untested  
Specific gravity: Untested  
Solubility: Untested  
Partition coefficient: Untested  
Explosive properties: Untested

### 10. CHEMICAL STABILITY AND REACTIVITY:

Reactivity: None known

Chemical stability: Stable under normal conditions  
Possibility of hazardous reactions: None reported  
Conditions to avoid: No information available  
Incompatible materials: No dangerous reaction known  
Hazardous decomposition products: None

#### 11. TOXICOLOGICAL INFORMATION:

Inhalation: May be irritating to mucous membranes and upper respiratory tract.  
Eye contact: May cause irritation  
Skin contact: May cause irritation  
Ingestion: May be harmful if swallowed  
Carcinogenic effects: Not available  
Mutagenic effects: Not available  
Reproductive toxicity: Not available  
STOT – Single exposure: Not available  
STOT – Repeated exposure: Not available  
Teratogenic effects: Not available

#### 12. ECOLOGICAL INFORMATION:

Data not yet available.

#### 13. DISPOSAL CONSIDERATIONS:

Dispose of waste in accordance with local and national regulations.

#### 14. TRANSPORT INFORMATION:

Not classified as dangerous in the meaning of transport regulations.

#### 15. REGULATORY INFORMATION:

##### US Federal Regulations

SARA 313: This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants: This product does not contain HAPs.

##### US State Regulations

California Proposition 65: This product does not contain any Proposition 65 chemicals.

WHMIS Hazard Class: Non-controlled

#### 16. OTHER INFORMATION:

Reason for revision: New product  
Revision number: 1  
Revision: 2/4/2021

The above information is believed to be correct but should only be used as a guide for experienced personnel. Proteintech Group Inc. will not be liable for any damage resulting from the handling of or from contact with the above product.

*For lab use only, not for diagnostic or therapeutic work.*