

## SAFETY DATA SHEET (SDS)

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

Product Name: Phantom Dye Red 780 Viability Dye  
Catalog Number: PD00002  
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**  
**Regulation (EC) No. 1272/2008**

<b>Skin corrosion/irritation</b>	Category 2 - (H315)
<b>Serious eye damage/eye irritation</b>	Category 2 - (H319)

#### Label elements



#### Signal word

Warning

#### Hazard statement(s)

H315 - Causes skin irritation  
H319 - Causes serious eye irritation

#### Precautionary statement(s)

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water  
P332 + P313 - If skin irritation occurs: Get medical advice/attention  
P362 - Take off contaminated clothing and wash before reuse  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing  
P337 + P313 - If eye irritation persists: Get medical advice/attention  
P403 + P235 - Store in a well-ventilated place. Keep cool  
P501 - Dispose of contents/container to an approved waste disposal plant

#### Other hazards

0% of the mixture consists of ingredient(s) of unknown acute toxicity.  
Combustible liquid. May accelerate skin absorption of other materials. Special attention needed when toxic materials are present in dimethyl sulfoxide because of enhanced skin absorption.

### 3. INGREDIENT COMPOSITION/INFORMATION:

Dimethylsulfoxide	Cas#67-68-5
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### 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 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.*