

SAFETY DATA SHEET (SDS)

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

Product Name: Phantom Dye Red 642 Viability Dye
Catalog Number: PD00009
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

Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	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.
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Eye Contact	Ensure adequate flushing of eye contamination for at least 15 minutes Ensure adequate flushing of eye contamination for at least 15 minutes
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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

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

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

Reason for revision: New product
Revision number: 0
Revision: 0 4 /29/2026

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.

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.

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