

MATERIAL SAFETY DATA SHEET

EMERGENCY # FOR NATIONAL RESPONSE CENTER (800) 424-8802

CHEMICAL IDENTIFICATION

Product Name:

Magic Red (FR)₂ Reagent

Catalog #: 5103, 6137, 6138
Synonyms: MR-(FR)₂ peptide stock / MR-(FR)₂ solution
CAS # of Active Reagent: None designated.
Chemical Name of Active Reagent: Z[Phe-Arg]²MR
Molecular Weight of Active Reagent: 1136

HAZARDS IDENTIFICATION

Not known.

CHARACTERISTICS

MR-(FR)₂ reagent is an orange/red powder.

Boiling point °C: No data available.
Vapor pressure (mm Hg): No data available.
Vapor density: No data available.
Solubility in water: Very low.
Specific gravity: Not applicable.
% Volatile by volume: Not applicable.
Evaporation rate: No data available.
pH: Not applicable to a powder.

STORAGE AND STABILITY

MR-(FR)₂ reagent is stable for 3 years when stored at +8 - -20°C and protected from light. When reconstituted to 260X, store MR-(FR)₂ stock at or below -20°C for 6 months protected from light. When diluted to 26X, use MR-(FR)₂ immediately. MR-(FR)₂ reagent is light sensitive. It will not decompose in a hazardous manner. Hazardous polymerization will not occur. It is incompatible with strong oxidizing agents.

HEALTH HAZARD

None known, exercise caution when handling. The toxicity of this material has not been thoroughly investigated. May be harmful if swallowed or inhaled, may irritate skin and eyes upon contact.

SAFETY CONTROL MEASURES

Gloves and standard laboratory protective clothing and eyewear are recommended. Safe laboratory practices should be followed.

EXPOSURE GUIDELINES

No exposure guidelines are available.

FIRST AID MEASURES

Avoid prolonged exposure. Remove contaminated clothing and shoes, and wash before reuse.

Skin: Wash thoroughly with soap and water for at least 15 minutes. Launder contaminated clothing and shoes.
Eyes: Immediately flush with water for 15 minutes.
Ingestion: If conscious, give large amounts of water, seek medical attention.
Inhalation: Remove to fresh air. If not breathing, administer CPR. If breathing is difficult, give oxygen, seek medical advice.

FIRE/EXPLOSION HAZARD

MR-(FR)₂ reagent is not a fire hazard nor an explosion hazard. Use any means suitable for extinguishing surrounding fire. It is not necessary to use any special firefighting procedures. Water spray, carbon dioxide, dry chemical powder or appropriate foam can all be used.

ACCIDENTAL RELEASE MEASURES

For release of large amounts of material, wear safety glasses and rubber gloves. Stop source of leak and isolate spill area. Collect material in an appropriate container and dispose with regular trash. Wash exposed surfaces with acetone or alcohol and rinse with copious amounts of soap and water. Dispose of all waste in accordance with all national, state, and local regulations.