

MATERIAL SAFETY DATA SHEET  
View-It IR Visualizer

**1. Composition**

Substance: Ytterbium and erbium activated yttrium/magnesium oxysulfide  
% content: Composition of metals: rare earth metals - 50 %, magnesium - 50 %  
CAS Number: N/A  
Classification: N/A  
EINECS: N/A

**2. Hazards Identification**

Most important hazards: Evaporation of a composition upon interaction with strong IR radiation with energy fluence more than  $100 \text{ J/cm}^2$  at pulse duration 30 nsec - 40 msec.  
Specific hazards: Excretion of hydrogen sulphide ( $\text{H}_2\text{S}$ ) under influence of acid environment with  $\text{pH} < 2-3$ .

**3. First aid measures**

Skin contact: Non-hazardous  
Eye contact: Not tested  
Ingestion: No tested  
Inhalation: In the case of inhalation of air with concentration of evaporated substance  $> 1000 \text{ mg/m}^3$  persons should leave for an uncontaminated area, inhale fresh air and wait until contaminated area is ventilated.

**4. Fire fighting measures**

Suitable extinguishing media: N/A  
Unsuitable extinguishing media: N/A  
Special hazards in fire: Nonflammable.  
Required special protective equipment for fire-fighters: N/A

**5. Accidental release measures**

Personal precautions: Always wear protective laser goggles  
Environmental precautions: Ventilation  
Methods for cleaning: Dry, rubber eraser, fine sand paper

**6. Handling and storage**

**Technical measures/precautions/storage conditions:**

Absorbs moisture and carbon dioxide.  
Store (keep) in dry, clean environment