



# FUNGI FLUOR PNEUMOCYSTIS SOLN. A

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Trade name : FUNGI FLUOR PNEUMOCYSTIS SOLN. A  
Product code : 22209A  
Formula : mixture

#### 1.2. Recommended use and restrictions on use

Recommended use : Use as laboratory reagent, Manufacture of substances

#### 1.3. Supplier

##### Supplier

Polysciences  
400 Valley Road  
Warrington, PA 18976 - United States  
T +1 215 343 6484 - F +1 215 343 0214  
[info@polysciences.com](mailto:info@polysciences.com) - [www.polysciences.com](http://www.polysciences.com)

#### 1.4. Emergency telephone number

Emergency number : 24-hour emergency phone number ChemTel 1-800-255-3924

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

Not classified

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labeling

No labeling applicable

#### 2.3. Other hazards which do not result in classification

No additional information available

#### 2.4. Unknown acute toxicity (GHS US)

Not applicable

### SECTION 3: Composition/Information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

| Name                | Product identifier  | %     | GHS US classification   |
|---------------------|---------------------|-------|---|
| Potassium Hydroxide | (CAS-No.) 1310-58-3 | 0 – 5 | Met. Corr. 1, H290<br>Acute Tox. 3 (Oral), H301<br>Skin Corr. 1, H314<br>Eye Dam. 1, H318 |

Full text of hazard classes and H-statements : see section 16

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.  
First-aid measures after skin contact : Wash skin with plenty of water.  
First-aid measures after eye contact : Rinse eyes with water as a precaution.  
First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

#### 4.2. Most important symptoms and effects (acute and delayed)

No additional information available

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### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

### 5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.  
Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.  
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep from freezing. Store in a well-ventilated place. Store at room temp. Keep away from light. Keep cool.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

|   |                                  |
|---|----------------------------------|
| <b>FUNGI FLUOR PNEUMOCYSTIS SOLN. A</b>           |                                  |
| No additional information available               |                                  |
| <b>Potassium Hydroxide (1310-58-3)</b>            |                                  |
| <b>USA - ACGIH - Occupational Exposure Limits</b> |                                  |
| Local name  | Potassium hydroxide              |
| ACGIH Ceiling (mg/m <sup>3</sup> )                | 2 mg/m <sup>3</sup>              |
| Remark (ACGIH)                                    | TLV® Basis: URT, eye, & skin irr |
| Regulatory reference                              | ACGIH 2020                       |
| <b>USA - NIOSH - Occupational Exposure Limits</b> |                                  |
| NIOSH REL (ceiling) (mg/m <sup>3</sup> )          | 2 mg/m <sup>3</sup>              |

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

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### 8.3. Individual protection measures/Personal protective equipment

**Hand protection:**

Protective gloves

**Eye protection:**

Safety glasses

**Skin and body protection:**

Wear suitable protective clothing

**Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment

**Personal protective equipment symbol(s):**

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|   |  |
|---|--|
| Physical state                                  | : Liquid   |
| Appearance                                      | : nearly clear nearly colorless liquid.  |
| Color   | : Mixture contains one or more component(s) which have the following colour(s):<br>white |
| Odor  | : Mixture contains one or more component(s) which have the following odour:              |
| Odor threshold                                  | : No data available  |
| pH  | : no data  |
| Melting point                                   | : nap  |
| Freezing point                                  | : No data available  |
| Boiling point                                   | : 100 °C   |
| Flash point                                     | : no data  |
| Relative evaporation rate (butyl acetate=1)     | : No data available  |
| Flammability (solid, gas)                       | : Not applicable.  |
| Vapor pressure                                  | : no data  |
| Relative vapor density at 20°C                  | : no data  |
| Relative density                                | : No data available  |
| Solubility                                      | : Water: 100 %   |
| Partition coefficient n-octanol/water (Log Pow) | : No data available  |
| Auto-ignition temperature                       | : No data available  |
| Decomposition temperature                       | : No data available  |
| Viscosity, kinematic                            | : No data available  |
| Viscosity, dynamic                              | : No data available  |
| Explosion limits                                | : No data available  |
| Explosive properties                            | : No data available  |
| Oxidizing properties                            | : No data available  |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

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### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                             |                  |
|-----------------------------|------------------|
| Acute toxicity (oral)       | : Not classified |
| Acute toxicity (dermal)     | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

#### Potassium Hydroxide (1310-58-3)

|                                   |                                 |
|-----------------------------------|---------------------------------|
| LD50 oral rat                     | 284 mg/kg                       |
| Skin corrosion/irritation         | : Not classified<br>pH: no data |
| Serious eye damage/irritation     | : Not classified<br>pH: no data |
| Respiratory or skin sensitization | : Not classified                |
| Germ cell mutagenicity            | : Not classified                |
| Carcinogenicity                   | : Not classified                |
| Reproductive toxicity             | : Not classified                |
| STOT-single exposure              | : Not classified                |
| STOT-repeated exposure            | : Not classified                |
| Aspiration hazard                 | : Not classified                |
| Viscosity, kinematic              | : No data available             |

## SECTION 12: Ecological information

### 12.1. Toxicity

|                   |  |
|-------------------|--|
| Ecology - general | : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. |
|-------------------|--|

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

#### Potassium Hydroxide (1310-58-3)

|   |      |
|---|------|
| Partition coefficient n-octanol/water (Log Pow) | 0.65 |
|---|------|

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

No additional information available

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### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

### SECTION 14: Transport information

#### Department of Transportation (DOT)

In accordance with DOT

Not applicable

#### Transportation of Dangerous Goods

Not applicable

#### Transport by sea

Not applicable

#### Air transport

Not applicable

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

##### Potassium Hydroxide (1310-58-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

CERCLA RQ 1000 lb

#### 15.2. International regulations

##### CANADA

##### Potassium Hydroxide (1310-58-3)

Listed on the Canadian DSL (Domestic Substances List)

##### EU-Regulations

##### Potassium Hydroxide (1310-58-3)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

##### National regulations

##### Potassium Hydroxide (1310-58-3)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on the Japanese ISHL (Industrial Safety and Health Law)  
Listed on KECL/KECI (Korean Existing Chemicals Inventory)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Japanese Poisonous and Deleterious Substances Control Law  
Listed on INSQ (Mexican National Inventory of Chemical Substances)  
Listed on CICR (Turkish Inventory and Control of Chemicals)  
Listed on the TCSI (Taiwan Chemical Substance Inventory)

#### 15.3. US State regulations

| Component                      | State or local regulations   |
|--------------------------------|--|
| Potassium Hydroxide(1310-58-3) | U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List; U.S. - Pennsylvania - RTK (Right to Know) List |

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### SECTION 16: Other information

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#### Hazard Rating

- |              |   |
|--------------|---|
| Health       | : 1 Slight Hazard - Irritation or minor reversible injury possible  |
| Flammability | : 0 Minimal Hazard - Materials that will not burn   |
| Physical     | : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives. |

SDS US (GHS HazCom 2012)

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