

## MATERIAL SAFETY DATA SHEET

### 1.PRODUCT IDENTIFICATION

**TRADE NAME (as labeled):**Saffrokol H14 Gel White

**CHEMICAL FAMILY:**

**MANUFACTURER'S NAME:**PANKAJ PETROCHEMICAL PVT. LTD.

**Factory :**Jind Road, VPO Titoli,Rohtak,Haryana,124001

**Branch Office:** PANKAJ PETROCHEM CONSULTANCY LLC

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### II.HAZARDOUS INGREDIENTS

CHEMICAL NAMES	CAS NUMBERS	PERCENT
Portland Cement	65997-15-1	>50%
Silica Sand*	14808-60-7	20-30%

N/A = Not applicable or available

### III HEALTH HAZARD INFORMATION

#### **SYMPTOMS OF OVEREXPOSURE (Long-Term Effects by Exposure Route):**

Prolonged exposure above permissible limits may lead to chronic bronchitis, potential development of silicosis, or an increased risk of cancer.

#### **SIGNS AND SYMPTOMS OF EXPOSURE (Short-Term/Acute Effects):**

- **Inhalation:** May cause nasal irritation, coughing, difficulty breathing, and mucus discharge.
- **Skin or Eye Contact:** Can lead to eye irritation and skin sensitivity.
- **Skin Absorption:** Not applicable.
- **Ingestion:** May result in mucus discharge.

#### **CARCINOGENIC STATUS:**

- **Is this product suspected to cause cancer?**
  - **NO:** The ingredients in this product are not listed as carcinogens by the following organizations.
  - **YES:**
    - OSHA (Occupational Safety and Health Administration)
    - NTP (National Toxicology Program)
    - IARC (International Agency for Research on Cancer)

(Note: Mark the appropriate box depending on the product's actual classification.)

### IV.FIRST AID: EMERGENCY PROCEDURES

#### **First Aid Measures:**

- **Eye Contact:**  
Gently hold the eyelids open and rinse the eyes thoroughly with clean water for at least 15 minutes. Seek immediate medical assistance.
- **Skin Contact:**  
Wash affected skin promptly with soap or a mild detergent and plenty of water to remove any contamination.

- **Inhalation:**  
Immediately move the affected individual to an area with fresh air. Ensure they are breathing comfortably.
- **Ingestion:**  
If the person is conscious, provide plenty of water to drink. Afterward, induce vomiting if possible. Obtain medical attention without delay.

## V. FIRE AND EXPLOSION

Flash Point Method): Not flammable or combustible

Auto ignition temperature, F: N/A

Flammable limits in air, volume %      Lower (LEL) \_\_\_\_\_      Upper \_\_\_\_\_

(UEL) Fire extinguishing materials:

\_\_\_\_\_X\_\_\_\_\_ water spray      \_\_\_\_\_X\_\_\_\_\_ carbon dioxide      \_\_\_\_\_ other:  
 \_\_\_\_\_X\_\_\_\_\_ foam      \_\_\_\_\_X\_\_\_\_\_ dry

chemical Special fire fighting procedures: N/A

Unusual fire and explosion hazards: N/A

## VI. SPILL, LEAK, AND DISPOSAL PROCEDURES

### **Spill Response Procedures (Including Employee Protection Measures):**

Carefully collect the spilled material using a shovel and transfer it into properly labeled pails or drums with secure lids. Ensure personnel wear suitable protective equipment to avoid contact with skin and eyes. A NIOSH-approved dust mask should also be used to prevent inhalation of airborne particles.

### **Waste Disposal Preparation (Container Types, Neutralization, etc.):**

Not applicable (N/A).

**Note:** All waste materials must be disposed of in compliance with applicable federal, state, and local environmental regulations.

## VII. Handling and Storage

Store in cool dry area.

## VIII. Exposure Controls and Personal Protection

### **Ventilation and Engineering Controls:**

Not applicable.

### **Respiratory Protection (Type):**

Use a NIOSH-approved dust mask if airborne concentrations exceed the Threshold Limit Value (TLV).

### **Eye Protection (Type):**

Wear chemical safety goggles or protective safety glasses to prevent eye contact.

### **Hand Protection (Glove Material):**

Wear impervious gloves made of vinyl or rubber to protect the hands from exposure.

### **Additional Protective Clothing and Equipment:**

Wear suitable protective clothing to minimize skin contact. The use of barrier creams can help protect exposed skin from contamination.

### **Workplace and Hygiene Practices:**

Ensure all employees are trained in the special handling procedures outlined in this section. Promptly remove any contaminated clothing and thoroughly wash exposed skin areas after handling.

### **Other Handling and Storage Requirements:**

Not applicable.

### **Protective Measures During Equipment Maintenance:**

Refer to the protective guidelines mentioned above to ensure safe handling during maintenance of contaminated equipment.

## IX. PHYSICAL PROPERTIES

**PHYSICAL PROPERTIES @ 70° F (21° C) Tile laying adhesive mixed with water**

<b>Parameter</b>	<b>Result</b>
<b>Colour</b>	<b>White</b>
<b>Mixing Ratio (Powder to Water)</b>	<b>3.5 : 1</b>
<b>Bulk Density</b>	<b>1.3 to 1.5 gm/cc</b>
<b>Mixing Density</b>	<b>1.7 to 1.9 gm/cc</b>
<b>Pot Life</b>	<b>&gt; 4hours</b>
<b>Open Time</b>	<b>~ 40minutes</b>
<b>Adjustability</b>	<b>~ 35 minutes</b>
<b>Final Setting Time</b>	<b>24 hours</b>
<b>Max. Bed Thickness</b>	<b>15 mm</b>
<b>Time to Light Foot Traffic</b>	<b>16 – 24 hours</b>

**X.REACTIVITY DATA**

Stability:  Stable  
 Unstable Conditions to avoid: Keep dry until used.

Incompatibility (materials to avoid): N/A

Hazardous decomposition products (including combustion products ): (from burning,heating, or reaction with other materials). N/A

Hazardous polymerization:  May occur  Will not occur  
Conditions to avoid: N/A

**XI.Toxicology Information**

N/A

**XII.Ecological Information**

N/A

**XIII.Disposal Information**

Dispose in compliance with local,state, and federal regulations.

**XIV.Transport Information**

No special labeling or transportation placarding is required.

**XV.Regulatory Information**

All ingredients are listed on the U.S.EPA TSCA inventory of chemical substances.

W.H.M.I.S.Code D.2

This product contains a chemical known to the State of California to cause cancer or reproductive harm.

**XVI.Other Information**

This information is furnished with out warranty, representation, inducement or license of any kind; Except that it is accurate to the best of our knowledge, or obtained from sources believed by us to be accurate.

