

## MATERIAL SAFETY DATA SHEET

### 1.PRODUCT IDENTIFICATION

**TRADE NAME (as labeled):**Saffrokol SAFFRO-EX 035

**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  | >40%    |
| Silica Sand*    | 14808-60-7  | 30-40%  |

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

| Parameter                   | Results          |
|-----------------------------|------------------|
| Colour                      | Grey             |
| Mixing Ratio (Powder:Water) | 3.5 to 1         |
| Bulk Density                | 1.3 to 1.5 gm/cc |
| Mixing Density              | 1.7 to 1.9 gm/cc |
| Pot Life                    | >2 hrs           |
| Open Time                   | ~35 mins         |
| Adjustability               | ~30 mins         |
| Final Setting Time          | 24 hours         |
| Max. Bed Thickness          | 15 mm            |
| Time to Light Foot Traffic  | 16–24 hours      |

#### **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.

