

MATERIAL SAFETY DATA SHEET

1.PRODUCT IDENTIFICATION

TRADE NAME (as labeled):Saffrokol SAFFRO-LITE 005

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
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Portland Cement	65997-15-1	>30%
Silica Sand*	14808-60-7	40-50%

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)

Parameter	Result
Colour	Grey
Mixing Ratio (Powder to Water)	3.5 : 1
Bulk Density	1.3 to 1.5 gm/cc
Mixing Density	1.7 to 1.9 gm/cc
Pot Life	> 2 hours
Open Time	~ 25 minutes
Adjustability	~ 40 minutes
Final Setting Time	24 hours
Max. Bed Thickness	14 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.

